CCTV
SHORTFORM
2009
6

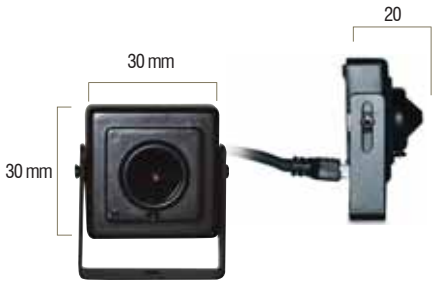
EAGLE CCTV

DIGITAL CCTV AT ITS BEST!

CCTV SHORTFORM 6 2009

E-811H
Compact Colour Mini Camera with Pinhole Lens

Colour Microphone



MODEL	E-811H
Lens	3.7 mm /F2.0 Super-Cone Pinhole
Sensor	1/4" Sharp CCD
Pixel Format (H x V)	512 x 582
Resolution	380 TVL
Min. Illumination	1 lux (F2.0)
S/N Ratio	More than 48 dB (AGC off)
Electronic Shutter	1/50 to 1/100,000 sec.
Gamma	0.45
Viewing Angle	51°
Video Output	1 V p-p composite, 75 ohm
Audio Microphone	Yes
Voltage & Current	12 VDC; 120 mA
Weight	40 g
Dimensions (mm)	30 (W) x 30 (H) x 20 (D)

E-253CH
High Resolution Colour Mini Cameras

Colour Board Lens

E-253CH-P37
(pinhole lens)

E-253CH-B36
(board lens)

MODEL	E-253CH-P37	E-253CH-B36
Lens	3.7 mm Super Cone Pinhole	3.6 mm Board Lens
Sensor	1/3" Sharp CCD	
Pixel Format (H x V)	752 (H) x 582 (V)	
Resolution	480 TVL	
S/N Ratio	Greater than 50 dB (AGC off)	
Min. Illumination	0.8 lux (F2.0)	
Video Output	1Vp~p 75 ohm Composite Video (PAL)	
Voltage & Current	12 VDC; 80 mA (±3V)	
Operating Temp.	-10° C ~ +50° C	
Weight	70 g	
Dimensions (mm)	25 x 25 x 20.5	

E-21CHQX
Day / Night Bullet Cameras

IR COMPATIBLE

Day/Night Board Lens

(pinhole lens)

(board lens)

MODEL	E-21CHQX	E-21CHQX-B36
Lens	3.7 mm (F2.0) Super Cone Pinhole Lens	3.6 mm (F2.0) Board Mount Lens
Sensor	1/3" Sony Colour SS-HQ1	1/3" Sony Colour SS-HQ1
Lens Angle	67°	67°
Resolution	520 TVL	520 TVL
Min. Illumination	0.1 lux (F2.0)	0.1 lux (F2.0)
Day/Night Switch Over At	2 Lux	2 Lux
IR Sensitivity	850~880 nm (Both models)	
S/N ratio	50 dB (AGC off)	50 dB (AGC off)
Voltage & Current	9 ~ 15 VDC; 130 mA	9 ~ 15 VDC; 130 mA
Operating Temp	-10° C ~ +50° C	-10° C ~ +50° C
Weight	150 g	255 g
Dimensions (mm)	21 (Diam.) x 65 (L)	21 (Diam.) x 71 (L)

* 940nm compatible model also available

E-C476A
Lightweight Covert Colour Camera

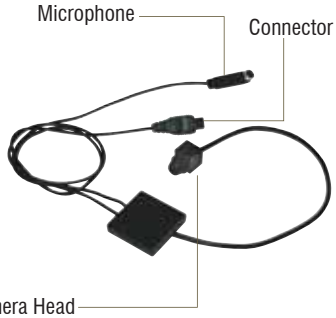
Colour Microphone

MODEL	E-C476A
Lens	3.1mm Pinhole (1mm Diam.) F3.4
Sensor	1/4" CCD
Viewing Angle	70°
Resolution	350 TVL
Min. Illumination	1.6 lux (F3.4)
S/N Ratio	< 52 dB (AGC off)
Microphone	20 ~ 16000 Hz (with 63cB SPL @ 1000 Hz)
Voltage & Current	12 VDC; 70 mA
Weight	16g
Dimensions (mm)	28(W) x 48(H) x 8(D)

* Also available in 5VDC

E-C470-3C-A
Colour CCD 'Snake Camera' With Audio

Colour Microphone

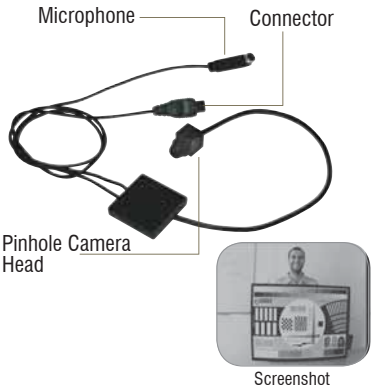


MODEL	E-C470-3C-A
Lens	3.7 mm Cone Pinhole (F2.0)
Sensor	1/4" CCD
Colour or Mono	Colour
Viewing Angle	58°
Resolution	350 TVL
Min. Illumination	1.2 lux (F2.0)
Audio	High Sensitive Microphone
S/N Ratio	< 48 dB
Voltage & Current	12 VDC; 70 mA
Operating Temp.	-10° C ~ +45° C
Dimensions: Head (mm)	11(W) x 11(H) x 18(D)
Dimensions: Electronics	29(W) x 29(H) x 7(D)

E-C480AD
B/W Snake Camera

IR COMPATIBLE

Black & White Microphone



Screenshot

MODEL	E-C480AD
Lens	3.7mm Cone-Shaped Pinhole (F2.0)
Sensor	1/4" B/W CCD
Viewing Angle	58°
Resolution	570 TVL
Min. Illumination	0.08 Lux
IR Compatible	Yes
Microphone	Yes, High Sensitive Microphone
S/N Ratio	Greater than 48dB
Video Output	1 V p - p 75 ohm
Voltage & Current	12VDC @ 80mA
Operating Temp	10°C ~ +45°C
Dimensions (Head)	11(W) x 11(H) x 18(D)
Dimensions (Electronics)	29(W) x 29(W) x 7(D) MM

E-HEAD-CAM2

Mini Pinhole Camera with InterChangeable Heads

Colour Microphone

MODEL	E-HEAD-CAM 2
Lens	4.3 mm Pinhole Lens (F2.0)
Sensor	1/4" Sony CCD Sensor
Resolution	550 TVL
S/N Ratio	48dB
Illumination	0.8 lux (F2.0)
Audio Microphone	60 dbm sensitivity
Video Output	1V p-p 75ohm
Audio Output	2Vp-p 10KHz
Voltage & Current	5VDC 250 mA (5 - 9VDC)
Compatible DVR's	E-M5DVR, E-M6DVR, E-M8DVR
Dimensions (mm)	29 (W) x 25 (H) x 19 (T)
Weight	30g

*** B/W IR Compatible Model also available**

E-SPRINKLER-CAM1

Colour Fire Sprinkler Camera

Colour Microphone

MODEL	E-SPRINKLER-CAM1
Sensor	1/4" Sony CCD
Resolution	420 TVL
Lens	3.7mm Pinhole
Minimum Illumination	0.1 lux
S/N Ratio	48dB (AGC off)
Mounting	Recess Mount
Power	12VDC, 150mA
Weight	300g
Construction	Metal Silver
Operating Temp.	-10º - 50ºC

E-824

Colour Hi-Resolution PIR Camera

E-824 Colour

MODEL	E-824
Lens	3.7 mm (F2.0) Pinhole
Sensor	1/3" CCD
Resolution	500 TVL
Min.Illumination	0.6 lux (F2.0)
S/N Ratio	48dB
PIR Sensor Range	100º @ 10m range and 2mtrs high
Relay Contact Output	N/C/N.O 30 VDC; 160mA
Voltage & Current	12 VDC; 160mA
Audio Microphone	Yes
Dimensions	110 (L) x 70 (W) x 49 (D)

E-SNAKE-CAM2

Pinhole Colour Snake Camera - 5VDC

Colour Microphone

MODEL	E-SNAKE-CAM2
Lens	4.3mm Pinhole Lens (F2.0)
Angle of View	78º
Sensor	1/4" Sony SuperHAD CCD Sensor
Resolution	450 TVL
S/N Ratio	48dB
Illumination	1.5 lux (F2.0)
Audio Microphone	60dbm sensitivity
Video Output	1Vp~p 75ohm
Audio Output	2Vp~p 10KHz
Power	5VDC (+/-0.5VDC)
Compatible Digital Video Recorders	, E-M8DVR, E-M6DVR, E-M9DVR
Power Consumption	250mA
Dimensions	13 (W) x 13 (W) x 19 (T) mm
Weight	30g

*** E-M5DVR not included**

E-MD-500

Security Mirror with Integrated Camera

Colour Board Lens

MODEL	E-MD-500
Sensor	1/3" Sony SuperHAD CCD
Horiz Resolution	540 TVL
Min Illumination	0.2 lux
Lens	3.6mm Board Lens
S/N Ratio	52dB
White Balance	ATW 2500~9500ºK
BLC	Auto
Video Output	1Vp~p 75ohm Composite Video
Power	12VDC (100mA)
Dimensions (Mirror)	280 x 230 x 195mm
Dimensions (Brackets)	195 x 100 x 72mm
Weight	1135g

E-MD-800

Mini Security Mirror with Integrated Colour Camera

Colour Board Lens

MODEL	E-MD-800
Sensor	1/3" Sony SuperHAD CCD
Horiz Resolution	540 TVL
Min Illumination	0.2 lux
Lens	3.6mm Board Lens
Shutter	1/50~1/100,000sec
S/N Ratio	52dB
White Balance	ATW 2500~9500ºK
BLC	Auto
Video Output	1Vp~p 75ohm Composite Video
Power	12VDC (100mA)
Dimensions (Mirror)	90 (diam) x 48mm (H)
Cut-Out	52mm diameter hole
Weight	160g

E-71HQ
Micro Vandal Dome Camera

Colour | Board Lens | Vandal Resistant

MODEL	E-71HQ
Sensor	1/3" Sony HyperHAD II CCD
Lens	3.6mm Board Lens
Horiz Resolution	560TVL
S/N Ratio	Greater than 50dB
Mimimum Illumination	0.1 Lux (F2.0)
White Balance	Automatic (2100K-9100ºK)
Video Output	1Vp~p 75ohm
Weight	300g
Power	12VDC @ 130mA
Dimensions	79 (diam) x 58mm (Height) - body only

E-262C
Hi-Res Colour Dome Cameras

Colour | Board Lens

MODEL	E-262C
Lens	3.6 mm (F2.0) Board
Sensor	1/3" Colour Sharp CCD
Viewing Angle	67°
Resolution	520 TVL
S/N Ratio	48 dB
Min. Illumination	0.6 lux (F2.0)
Auto White Balance	Yes
Voltage & Current	12 VDC; 100 mA
Dimensions (mm)	100 (Diam.) x 60 (H)

E-200HQ
Colour Indoor IR Dome Camera

Day/Night

MODEL	E-200HQ
Sensor	1/3" Colour CCD
Resolution	520 TVL
Min Illumination	0.4 lux (F2.0)
IR Illumination	21 x 850nM IR LEDs
IR Range	+/- 8 Metres
S/N Ratio	48dB
Lens	3.6mm Board Lens (F2.0)
Video Output	1V p~p 750hm
Power	12VDC (90mA IR off), 210mA (IR on)

E-906
Slimline Day/Night Dome Camera with Vari-Focal Lens

Day/Night

MODEL	E-906
Sensor	1/3" Sony CCD
Resolution (Horizontal)	560TVL (Colour) 600TVL (B/W)
S/N Ratio	Greater than 50dB (AGC off)
Min Illumination	0.3 lux (F1.2) 0.00001 lux (Slow Shutter Mode)
Video Output	1vp~p Iris ohm (PAL)
Lens	3.3~12mm Auto Iris Vari-Focal
On-Screen-Display	Yes
White Balance	ATW, AWC, Manual(1800~10'500ºC)
Back Light Compensation	Low, Middle, High, Highlight Supression, Off (Selectable)
Automatic Gain Control (AGC)	Low, Middle, High, Off (Selectable)
Peak-White Inversion	Yes
Privacy Zone	On/Off (4-Zone)
Operating Temp	-10 to 50ºC
Power	12VDC
Power Consumption	100mA (max)
Dimensions (mm)	180 (dia) x 81 (H)

E-ULTRA-3200
Ultra-Wide Dynamic Dome Camera

Day/Night

MODEL	E-ULTRA-3200
Sensor	1/3" Pixim CMOS Sensor
Progressive Scan	Yes
Resolution	540 TVL (Day) 560 TVL (Night)
Dynamic Range	120dB, 101dB Typical
S/N Ratio	>50dB
Lens	3.3~12mm Vari-focal Auto Iris Lens (F1.0)
Min. Illumination	1 lux (Colour) (F1.4)
Day/Night Switching	Mechanical IR-Cut Filter
Video Output	PAL or NTSC (user programmable)
OSD Display Menu	Yes (user programmable)
Voltage	12 VDC (200mA)
Operating Temp	-10º to +50ºC
Adjustment	3-Axiz
Dimensions (mm)	180 (dia) x 81 (H)

*** Vandal-Proof Version Available**

E-903
Vandal-Resistant Hi-Resolution Colour Dome with Vari-Focal Auto Iris Lens

Colour | Vandal Resistant

MODEL	E-903
Lens	4 ~ 9 mm Auto Vari-focal Lens
Sensor	1/3" Color Sharp CCD
Resolution	520 TVL
Min. Illumination	0.5 lux (F 1.6)
S/N Ratio	48 dB (AGC off)
Voltage & Current	12VDC (85 mA)
Operating Temp	0-50º
Dimensions (mm)	124.3 (diam) x 92 (height)

E-110HQ
Vandal Resistant Infra-Red Dome Camera

Day/Night | Vandal Resistant

MODEL	E-110HQ
Lens	3.3 ~ 12 mm vari-focal DC Auto Iris (F1.6 ~ 360)
Sensor	1/3" Sony Hyper-HAD CCD
Resolution	540 TVL (Day) 580 TVL (Night)
Backlight Compensation	Automatic (On/Off Selectable)
Auto Gain Control	Automatic (On/Off Selectable)
Auto White Balance	Automatic (1800 ~ 10500K)
S/N Ratio	> 50dB (AGC off)
Infra-Red LEDs	21 (850 nm ±10 Metres, 30° angle)
Voltage & Current	9 ~ 30 VDC; 120 mA (No-IR) 300mA (IR-on)
Operating Temp.	10° to 50°C (-40 with optional heater)
Dimensions: Head (mm)	121.5 (Diam.) x 164 (L)
Weight	1800g

E-B53K10
Vandalproof Weatherproof Colour Infra-Red Camera

Day/Night

MODEL	E-B53K10
Lens	4.3mm (F2.0) Board
Sensor	1/3" Colour CCD Sensor
Viewing Angle	58° Horizontal Resolution: 380 TVL (F2.0)
Min. Illumination	1 lux (normal colour mode); 0 lux (IR illumnation on)
IR Illumination	11x IR LEDs (5 metre range; 30° beam spread)
S/N Ratio	60 dB (typ.) 52dB (min)
White Balance	Auto White Balance (3200-10000 K colour temp)
Voltage & Current	12VDC (‡10%); 250mA (IR on); 90mA (IR off)
Operating Temp	-20° C~ +50°C
IP Rating	IP55
Resolution	470 TVL
Dimensions (mm)	143 (L) x 85 (Diam.) x 147 (Height with bracket)

E-70HQ
Wall Mount Micro Vandal Dome Camera

Colour | Board Lens | Vandal Resistant

MODEL	E-70HQ
Sensor	1/3" Sony HyperHAD II CCD
Lens	3.6mm Board Lens
Horiz Resolution	560TVL
S/N Ratio	Greater than 50dB
Mimimum Illumination	0.1 Lux (F2.0)
White Balance	Automatic (2100K-9100°K)
Video Output	1Vp~p 75ohm
Weight	300g
Power	12VDC @ 130mA
Dimensions	79 (diam) x 58mm (Height) - body only

E-EGG-CAM
Mini Colour Vehicle Camera

Colour | Board Lens

Top, Side or Bottom Mounting

MODEL	E-EGG-CAM
Image Sensor	1/3" Sharp CCD
Lens	3.6mm (others available on request)
Horiz Resolution	380 TVL
S/N Ratio	50dB (AGC off)
Minimum Illumination	0.2 lux (F2.0)
White Balance	Automatic (2100K-8200K)
Video Output	PAL (1Vp~p 75ohm)
MTBF	80'000 hours
Weight	150G
Power	12VDC
Power Consumption	90mA

E-6020PSC-DN-12V
IP68 Day/Night Underwater Camera

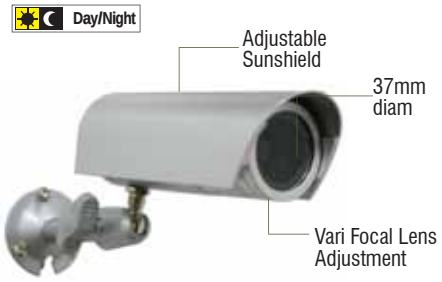
Day/Night | Board Lens

MODEL	E-6020PSC-DN-12V
Lens	3.6 mm (F2.0) Board
Sensor	1/3" Sony ExView HAD CCD
Viewing Angle	67°
S/N Ratio	50 dB (AGC off)
Resolution	550 TVL
Min. Illumination	0.01 lux (F2.0)
Day/Night Mode	On at 2 lux
White Balance	2400° K~10000° K
BLC	Automatic
Video Output	1V p-p 75 ohm
Waterproof Rating	(IP68) or (3PSI)
Operating Temp	-10° C ~ +50°C
Voltage & Current	12 VDC; 250 mA
Dimensions (mm)	110 (L) x 32 (Diam.)

*** Includes 30 metres of cable**

E-37HQ-S
Day/Night Bullet Camera with Vari-Focal Lens

Day/Night



MODEL	E-37HQ-S
Sensor	1/3" Sony Colour SS-HQ-1
Lens	4-9mm (Vari-Focal) Manual-Iris Lens
Shutter Speed	1/50'00~1/100'00/sec
Resolution	520 TVL
White Balance	2100~9100K
Min Illumination	0.2 lux (F2.0)
Day/Night Switch Over At	4~5 lux
IR Sensitivity	850~880 nm
S/N ratio	50dB (AGC off)
Voltage & Current	9~15 VDC; 130mA
Surge Protection	Yes
Operating Temp	-10 to 50°
Weight	260g
Dimensions (mm)	37 (Diam) x 99 (L)

E-536C

Infra-Red Day/Night Waterproof Camera

3~5 metre IR Range

Day/Night Board Lens

Day

Night

MODEL	E-536C
Lens	3.6mm (F2.0) Board
Sensor	1/3" Colour Sharp CCD
Resolution	520 TVL
IR Illumination	21x IR LEDs (850nm;± 3-5m range, 4m typically)
S/N Ratio	48dB (AGC off)
Voltage & Current	12 VDC; 90mA (280 mA with IR on)
Operating Temp	-10º to +50ºC
IP Rating	IP68
Dimensions (mm)	100(l) x 65(w) x 63.8(h)

E-649

Infra-Red True-Day/Night Waterproof Camera

Day/Night

15~20 metre IR Range

MODEL	E-649
CCD Sensor	1/3" Sony Super HAD II
Resolution	500 TVL (Colour Mode) 550 TVL (B/W Mode)
S/N Ratio	Greater than 50dB (AGC off)
Lens	Infra-Red Compatible 4~9mm Vari-Focal Lens
White Balance	Auto (2100K ~ 9100K)
Infra-Red LEDs	20 x 850nm
Effective Infra-Red Range	15~20 Metres (Environment Dependent)
LED Lifetime	20'000 hours
Day/Night Type	Mechanical Switch-Over at 5 Lux
Weatherproof Rating	IP67
Operating Temp	-10ºC ~ +50ºC
Power	12 VDC @ 300 mA, 120mA (IR off)
Surge Protection	Yes
Weight	800g
Dimensions (mm)	72 (h) x 60 (d) x 128(l)mm

E-849

Infra-Red True-Day/Night Waterproof Camera

Day/Night

20-30 mtr IR RANGE

MODEL	E-849
CCD Sensor	1/3" Sony Super HAD II
Resolution	520 TVL (Colour Mode) 550 TVL (B/W Mode)
S/N Ratio	Greater than 50dB (AGC off)
Lens	Infra-Red Compatible 4~9mm Vari-Focal Lens
OSD Menu	Yes (via included plug-in remote)
White Balance	Auto (2100K ~ 9100K)
Infra-Red LEDs	850 nm (14 x 10mm diam 27º LEDs & 14 x 8mm diam 20º LEDs
Effective Infra-Red Range	20~30 Metres (Environment Dependent)
LED Lifetime	20'000 hours
Day/Night Type	Mechanical Switch-Over at 5 Lux (OSD Configurable)
Weatherproof Rating	IP67
Operating Temp	-10ºC ~ +50ºC
Power	24 VDC (19~35VDC) @ 550 mA, 120mA (IR off)
Surge Protection	Yes
Bracket	3-Axis
Weight	1700g
Dimensions (mm)	112 (W) X 121 (V) X 287 (L) mm

E-992

Infra-Red True-Day/Night Waterproof Camera

Day/Night

50-60 mtr IR RANGE

MODEL	E-992
CCD Sensor	1/3" Sony Ex-View CCD
Resolution	520 TVL (Colour Mode) 550 TVL (B/W Mode)
S/N Ratio	Greater than 50 dB (AGC off
Lens	Infra-Red Compatible 9~22mm Vari-Focal Lens
White Balance	Auto (2100K~9100K)
OSD Menu	Yes (via included plug-in remote)
RS485 Control	Yes (via wire)
Infra-Red LEDs	850 nm (20 x 10nm diam 27º 850nM LEDs)
Effective Infra-Red Range	50~60 Metres (Environment Dependent)
LED Lifetime	20'000 hours
Day/Night Type	Mechanical Switch-Over at 5 Lux (OSD Configurable)
Weatherproof Rating	IP67
Operating Temp	-10ºC ~ +50º
Power	24VDC (19~35VDC) @ 550mA, 120mA (IR off)
Surge Protection	Yes
Bracket	Wall Mount
Dimensions (mm)	121 (W) x 249 (V) x 380 (L)mm

E-515DN-AC

Hi-Resolution Day/Night 'Numberplate Camera' with IR Illumination

Image Quality at Night

MODEL	E-515DN-AC
Image Sensor	1/3" Sony HyperHAD Sensor
Scanning Type	2:1 V Interlaced
Horiz Resolution	540 TVL (Day) 600 TVL (Night)
S/N Ratio	50dB
Minimum Illumination	0.15 lux (F1.4, AGC on B/W Mode)
IR Illuminator	96 x 850nm LEDs
IR Range	45 Metres (typical)
Lens	Integrated Auto Iris Vari-Focal 5~60mm
Video Output	1Vp~p 75ohm (BNC) or Y/C S-Video (Mini-Din)
External Control	Yes (Via RS485)
Privacy zones	On/Off/Upto 8 Zones
BLC	On/Off, 6 BLC modes
Power	220 VAC
Operating Temp	-30~60ºC
Heater/Blower	Yes (Integrated)
Rating	IP67
Construction	Die-Cast Aluminium with Stainless Steel Screws
Weight	6kg
Dimensions	494 x 460 x 237mm

*** Suitable for High Speed Numberplate Capture**

E-63V5H

Peak-White-Inversion Camera

Colour CS Lens

5 ~ 50 mm Lens - Night

MODEL	E-63V5H
Sensor	1/3" Colour CCD
Pixel Format	795 (H) X 596 (V)
Resolution	470 TVL 580 TVL (With DSP Enhance)
Min. Illum. (Std. Operation)	0.8 Lux @ F1.2
(Starlight Mode)	0.008 Lux @ F1.2
IR Compatible	No (E-13V5H is)
Gain Control	AGC On/Off (0 ~ 18 dB)
White Balance Mode	ATW / AWC / FIX (Zero colour rolling)
S/N Ratio	52 dB (Min.), 60 dB (Typ with AGC OFF)
Auto Iris	A.E.S. / Video Drive / DC Drive
Automatic Shutter Mode	1/50 ~1/100,000 sec. (PAL)
Video Output	1.0 V p-p composite video at 75 ohm
RS-232C Interface	Mini-Din Connector
Operating Temp.	-20° C ~ +50° C
Voltage & Current	12 VDC; 250mA or 24 VAC; 125 mA
Dimensions (mm)	50.5 (W) X 50.5 (H) X 115 (L)

*** B/W Model also available.**
*** Suitable for slow moving traffic**

E-6311XP/E-6311XP-H

Low Light CS Mount Colour Camera - Standard & High Resolution Models

Colour CS Lens

MODEL	E-6311XP / E6311XP-H
Sensor	1/3" Colour Matsushita CCD
Resolution (Standard Model)	380TVL Horizontal (470 with DSP enhancement)
Resolution (Hi-Res Model)	480 TVL Horizontal (520 with DSP enhancement)
White Balance Mode	ATW/AWC Switchable (Zero colour rolling)
White Balance Range	3200 - 10000°K
Min. Illumination	0.2 lux (F1.0); 0.4 lux (F1.4); 0.6 lux (F1.6)
S/N Ratio	60 dB (typ.) 52 dB (min.) (AGC off)
Electronic Shutter	1/50-1/120,000 sec
Iris Type	Automatic Electronic Shutter (AES) Direct Drive or Video Drive Auto Iris (DC)
Voltage & Current	12 VDC; 160 mA
Operating Temp.	-20° C ~ +55° C
Weight	360 g
Dimensions (mm)	50 (W) x 64.5 (H) x 116 (L)

E-ULTRA-4000E

Day/Night Ultra Wide Dynamic CS Mount Camera

Day/Night CS Lens

Screenshot

MODEL	E-ULTRA-4000E
Sensor	1/3" PIXIM CMOS Sensor
Resolution	540 TV (Day) 560TVL (Night)
Min. Illumination	0.8 Lux (F1.4) 0.1 Lux (slow shutter mode)
S/N Ratio	52 dB or Greater
Dynamic Range	101 dB (typ) 120 dB (max)
Auto Iris	Video or DC Iris
Slow Shutter Mode	Yes
B/W Fixed Mode	Yes
Day/Night Switching	Mechanical IR-Cut Filter
On-Screen-Display Menu	5-Button Control
White Balance	Auto-Tracing, Manual or Preset
Dynamic Range	95 dB
Video Output	Composite Video 1 Vp-p 75 Ohm (NTSC/PAL switchable)
Voltage & Current	12 VDC; 300 mA
Operating Temp	-10 ~ +65 °C
Dimensions (mm)	62 (W) x 58 (H) x 140 (L)

* Individual Pixel Sampling for harsh light contrasts situations

E-340DN

Day/Night CS Mount Camera

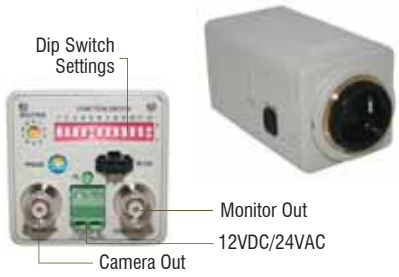
Day/Night CS Lens

MODEL	E-340DN
Sensor	1/3" Sony Ex-View
Lens	C/CS Mount
Auto Iris	Video or DC Drive Lenses
Resolution	520 TVL (Horiz)
S/N Ratio	48 dB or Greater
Min. Illumination	0.01 lux (B/W mode) F1.0 Lens
Day/Night Switching	Selectable IR-Cut Filter (850mm)
Day/Night Switch Over Level	10 Lux
IR Compatibility	850 / 880 nm IR Illuminators
AGC	High/Low Selectable
Video Output	1 V p-p 75 ohm (PAL)
Operating Temp	-10° C ~ +50° C
Voltage & Current	12 VDC; 200 mA
Dimensions (mm)	106 × 60 × 49

E-63SH

Colour Day/Night CS Camera with Mechanical IR Cut Filter

Day/Night CS Lens



MODEL	E-63SH
Sensor	1/3" CCD
Lens	C/CS Mount
Auto Iris	DC Drive Lenses or AES operation
Resolution	520 TVL (Horiz)
S/N Ratio	58 dB or Greater
Min. Illumination	0.01 lux (B/W mode) F1.0 Lens
Day/Night Switching	Mechanical IR-Cut Filter
IR-Light Control	Yes (Open Collector Output)
IR Compatibility	850 / 880 nm & 920/940nm IR Illuminators
AGC	On/Off Selectable
Video Output	1 V p-p 75 ohm (PAL)
Operating Temp	-20° C ~ +50° C
Power	12 VDC or 24VAC
Dimensions (mm)	115 (L) x 55.4 (H) x 50.5 (W)

* AC Operation Models Available

E-SSC-473P

Day/Night ExWave CCD CS Mount Camera

SONY

Day/Night CS Lens

Front Back

MODEL	E-SSC-473P
Sensor	1/3" Sony EXWAVE CCD
Resolution	540TVL
Min. Illumination	0.55 lux (Colour), 0.05 lux (B/W, ACG & Turbo on)
Day/Night Switching	Mechanical IR-Cut Filter
S/N Ratio	50dB (AGC off)
ACG	On/Off Selectable
Auto Iris	DC-Drive or AES operation
Lens Mount	CS Mount
Video Output	1Vp~p 75ohm
Operating Temp	-10 to 50ºC
Power	12VDC or 24VAC (4W)
Dimensions	60 x 53 x 12mm (no covers)
Dimensions	60 x 53 x 246mm (with b & f covers)

*Lens NOT Included

E-64G22

Day/Night Camera with 22x Zoom Lens

Day/Night 22X Zoom

MODEL	E-64G22
Sensor	Sony 1/4" Interline Transfer CCD
Resolution	520TVL
Shutter Speed	Auto/Manual (1/50~1/12000 sec) Manual 8 Step
S/N Ratio	52dB (typ)
Minimum Illumination	0.05 Lux (AGC on B/W mode, Wide Angle)
Day/Night Switching	Mechanical IR-Cut Filter
Optical Zoom Lens	3.9~85.8mm (22x)
Lens Aperature	F1.6 (W) ~ F3.7 (T)
Focus Setting	Automatic or Manual
Video Output	Composite Video 1Vp~p 75ohm (PAL) or S-Video
Control	OSD, Dry-Switch or RS485 (Pelco-D)
Operating Temp	-10 to 50ºC
Power	12VDC (4W)
Dimensions	59 (W) x 80 (H) x 120 (D) mm

E-13VG2812AS-II
Aspherical 2.8~12mm Auto Iris Lens

CS Lens

MODEL	E-13VG2812AS-II	
Format	1/3" CS Mount	
Focal Length	2.8 ~ 12mm	
Iris Range	F1.4 ~ 360	
Horiz Angle of View	- Wide	97.4°
	- Tele	24.1°
Video/DC Iris	DC	
Dimensions (mm)	40.0 (Diam) x 53 (L)	

E-13VG308AS
Aspherical 3~8mm Auto Iris Lens

CS Lens

MODEL	E-13VG308AS	
Format	1/3" CS Mount	
Focal Length	3~8 mm	
Iris Range	F1.0 - 360	
Viewing Angle	- Wide	91°
	- Tele	36°
Video/DC Iris	DC	
Operating Temp. -20° ~ +60°	45g	
Weight	38.4g	
Dimensions (mm)	33 (W) x 47 (H)	

E-13VG550-II
Aspherical 5~50mm Auto Iris Lens

CS Lens

MODEL	E-13VG550-II	
Format	1/3" CS Mount	
Focal Length	5 ~ 50mm	
Iris Range	F1.4~ 360	
Horiz Angle of View (1/3")	Wide	53.5°
	Tele	5.6°
Video/DC Iris	DC	
Dimensions (mm)	40. (Diam) x 59.2 (L)	

E-13VG20100AS
Aspherical 20 ~ 100 mm Auto Iris Lens

CS Lens

MODEL	E-13VG20100AS
Format	1/3" CS Mount
Focal Length	20 ~100 mm
Iris Range	F1.6 - 360
Auto Iris	Manual
Viewing Angle H x V	13.6° ~360 2.8° x 2.1°
Operating Temp.	-20° C ~ +60°
Weight	156g
Dimensions (mm)	115mm x 49mm

E-M13VF288
Megapixel Aspherical 2.8~8mm Auto Iris Lens

CS Lens

MODEL	E-13VF288-AI	
Format	1/3" or 1/4" CS Mount	
Sensor Size	Upto 3 Megapixel	
Focal Length	F1.2 ~ F360	
Horiz Angle of View	- Wide	100.00°
	- Tele	35.03°
Video/DC Iris	DC	
Neutral Density Filter	Yes (Integrated)	
Weight	50g	
Dimensions (mm)	375 (Diam) x 52 (L)	
Brand	Fujinon	

E-M13VF550
MegaPixel Aspherical 15~50mm Auto Iris Lens

CS Lens

MODEL	E-M13VF550	
Format	1/3" or 1/4" CS Mount	
Sensor Size	Upto 3 Megapixel	
Focal Length	F1.5 ~ 50mm	
Horiz Angle of View	- Wide	18.08°
	- Tele	5.35°
Video/DC Iris	DC	
Neutral Density Filter	Yes (Integrated)	
Weight	60g	
Dimensions (mm)	37.5 (Diam) x 58.5 (L)	
Brand	Fujinon	

BOARD LENSES
Fixed Focal Length Board Lenses - for cameras with Board Mount Lens fittings (not suitable for cameras with Pinhole Lenses)

Board Lens

E-B250 25 mm Lens

E-B2162 2.1 mm Lens

E-B178 - Fish-eye Lens

MODEL	E-B178	E-B2162	E-B2525	E-B3020	E-B4318
Focal Length	1.78 mm	2.1 mm	2.45 mm	2.97 mm	4.3 mm
Aperture	F3	F2.0	F2.5	F2.0	F1.8
1/3" Viewing Angle (H)	108°	98°	87°	77°	58°
1/4" Viewing Angle (H)	90°	80°	70°	61°	45°
Dimensions (mm)	31 x 24.3	17 x 18.5	17 x 9	14 x 15	14 X 16.3
MODEL	**E-B6022**	**E-B8020**	**E-B1220**	**E-B1620**	**E-B250**
Focal Length	6 mm	8 mm	12 mm	16mm	25mm
Aperture	F2.2	F2.0	F2.0	F2.0	F2.5
1/3" Viewing Angle (H)	43°	33°	22°	17°	11°
1/4" Viewing Angle (H)	33°	25°	17°	13°	8°
Dimensions (mm)	14 x 16	14 x 14	14 x 14	14 x 15.5	25 x 23.5

* 35mm + 50mm Board Lenses also available

E-HPV36K0A000

VERSO Compact Plastic Polymer Housing with Sunshield

FEATURES	
Flame Retardant V1 (UL94)	
Side Opening Housing	
2x PG11 Removable Cable glands	
Techno-Polymer Plastic Construction	
Impact resistant K10 according EN 50102 Std.	
Weatherproof Rating	IP66 with E-WBJ bracket, IP65 with E-WBOV bracket
Internal Dimensions (mm)	210 (L) x 63 (W) x 63 (H)
External Dimensions (mm)	400 (L) x 134 (W) x 106 (H)

*** Excluding Bracket**

E-HEK

High Quality Plastic/Aluminium Housing

* Excluding Bracket

Sunshield

E-WB0V
Wall mount bracket
(not included)

FEATURES	
Plastic polymer front and back parts	
IP66 Weatherproof rating	
Polycarbonate window with scratch-resistant treatment	
Weatherproof Rating	IP66 with E-WBJ bracket, IP65 with E-WBOV bracket
Internal Dimensions (mm)	82 (W) x 62 (H) x 260 (L)
External Dimensions (mm)	125 (W) x 117 (H) x 403 (L)

*** Excluding Bracket**

E-HOV32K2

IP66 Side Opening High Quality Outdoor Aluminium Housing - with Heater

Sunshield

E-WB0V
Wall mount bracket
(not included)

FEATURES	
Weatherproof Rating	IP66 (E-WBJ) IP54 (E-WBOV)
Sunshield Material	Epoxy-Polyster
Body Material	Die-Cast Aluminium
Colour	RAL9002
Heater	Integrated 12 VDC/24 VAC (20 W)
Wiper (E-HOV32K2A100)	Optional (24 VAC, 7 W)
Operating Temp	-10 to 50 º C
Weight	2.1 Kg
Internal Dimensions (mm)	100 (W) x 70 (H)
External Dimensions (mm)	176 (W) x 160 (H) x 514 (L)

*** Excluding Bracket**
*** Optional Wiper Model Available**

E-VERSO-POLAR

Plastic Polymer Housing For Low Temperature Operation

Nickel plated brass glands

MODEL	E-VESO-POLAR
Construction	Plastic polymer
Sunshield	Yes
Screws	Stainless Steel
Opening	Side
Weatherproof Rating	IP66 (IP67 with sealing rings)
Internal Usable Rating Area	70x70x270 mm
Overall Dimensions	466 (L) x 156 (W) x 113 (H) mm
Operating Temp	-55ºC to +55ºC
Cable Glands	3 x Nickel-Plated Brass
Heater	Yes (12VDC/24VAC Operation)
Compatible Brackets	E-WBJ (IP67) E-WBOV

E-WBOV

Wall Mount Bracket - Internal Cable

E-WBJ

Wall Mount Bracket

E-WBM4

Ceiling Mount Bracket

E-WSFPA

Pole Mount Adaptor for Wall Mount Brackets

E-WBCV SERIES

High quality Ceiling & Wall Mount Camera Brackets

E-WBCV14A

E-WBCV19A

E-H01/E-BR02

Low Cost Aluminium Housing with bracket

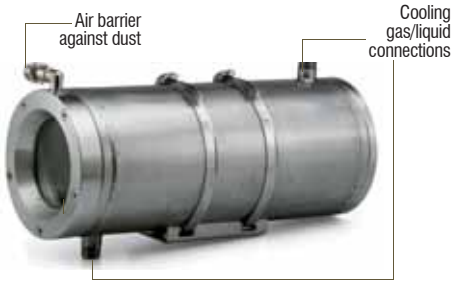
MODEL	E-H01
Dimensions (mm) Outdoor	388 x 101 x 110
Dimensions (mm) Internal	330 x 80 x 110

E-NXM2K
316 Stainless Steel Camera Housing

E-NXWB1
Wall mount swivel bracket

MODEL	E-NXM2K
Construction	316 Electro-Polished Stainless Steel
Weatherproof Rating	IP67 (6= Dust Tight, 7 = Protected against the effects of immersion)
Cable Glands	2 x PG 13.5 cable glands
Internal Dimensions (mm)	88 (W) x 86 (H) x 334 (L)
External Dimensions (mm)	182 (W) x 164 (H) x 450 (L)
Heater	12VDC/24VAC 20W
Sunshield	Yes

E-NXW
Stainless Steel Liquid/Air-Cooled Housing



FEATURES	
Body Cooling	Liquid or Air
Front Barrier Cooling	Air
Weatherproof Rating	IP67
External Temperatures (max)	260º C (with IR Glass) 260º C (Tempered Glass) 400º C (Vicor Glass)
External Connections	Dual 1/2" gas cable glands
Gasket	O-ring
Wall Thickness	12mm thick flanges
Material	AISI 304 Stainless Steel
Internal Dimensions with PSU (mm)	78 (W) x 78 (H) x 280 (L)
External Dimensions (mm)	154 (W) x 164 (H) x 375 (L)

E-NXPTH211
Stainless Steel Pan/Tilt Unit

MODEL	E-NXPTH211
Pan Angle	0~340º max (speed: 5/S, torque: 35Nm
Tilt Angle	0~340º max (speed: 3º/S, torque: 60Nm
Limit Switches	Yes (Internally Adjustable)
Max Balanced Load	40kg
Operating Temperature	-20ºC to +55ºC
Weatherproof Rating	IP67 (6= Dust tight, 7 = Protected against the effects of immersion)
Dimensions (mm)	164 (W) x 250 (H) x 280 (L)
Cable Glands	2 x PG13.5 Nickel Plated Brass Cable Glands
Construction	Electro-Polished 316 Stainless Steel
Polished	24VAC (26W)

E-3935
Day/Night 35x zoom Pressurised Camera

Day/Night 35X Zoom

MODEL	E-3935
Sensor	1/4" Progressive Scan CCD
Resolution	520 Horiz TV Lines
Wide Dynamic Range	Yes
Minimum Illumination	1 Lux (Colour Mode), 0.2 Lux (Slow Shutter Mode), 0.02 lux (B/W Mode)
Lens	35x Optical Zoom (3.4~119mm)
Angle of View	55.8º (wide) 1.7º (tele)
S/N Ratio	50dB
Video Output	PAL (NTSC available on request)
Communication	RS422 (Pelco D/P, Vicon, Bosch, Ultrak, AD)
Power	24VAC (16W max with heaters operating)
Weatherproof Rating	IP67 & Nerma 4x
Pressurisation	Sealed & Pressurised to 5psi with dry nitrogen
Pressurisation Lifetime	20~30 Years
Operating Temperature	-40 to +65ºC
Shock	10g, 11ms, any axis (As per MIL-STD-810E)
Humidity	Upto 100% Humidity
All Contaminants	Withstands exposure to sand, dust, fungus and salt air per MIL-e-5400T
Vibration	As Per MII-STD-810E
Dimensions (Cam Body)	381 (L) x 63.5 (diam)
Weight	2.5Kg

Suitable for surveillance in harsh areas

E-WBJ
Wall Mount Bracket

E-EXHC000
IP66 Explosive Proof CCTV Camera Housing

SABS Certified

Housing with E-EXWBJ

Optional model EXHD001 with glass protection device available for hazardous areas

MODEL	E-EXHC000
Weatherproof Rating	IP66
Approved Standards	IECEx Ex d ITC T6 Ex tD A21 IP66 T85C
Approved Standards	ATEX II 2GD Ex d IIC T6 tD A21 IP66 T85C Certification
Construction	Anti-Corodol Aluminium Alloy
Colour	RAL7032
Cable Glands	2 x 3/4"
Integrated Heater	Yes
Internal Usable Area	100 (W) x 100 (H) x 280 (L) mm

E-MINI-PATROL
Mini Day/Night PTZ Camera

MODEL	E-MINI-PATROL
Sensor	Sony FCB-EX780S CCD Camera
Zoom	25x Optical; 12x Digital
Resolution	460 TVL (PAL)
Light Sensitivity	3.0 lux (Colour); 0.02 Lux (NIR filter mode)
Near-Infra-Red Filter	On/Off switchable
Image Stabilisation	Yes
Auto Focus	Yes
Control Interface	PelcoD
Pan/Tilt Angle	540º/190º
Pan/Tilt Speed	0.5º ~ 180º per sec/0.3 ~ 45º per sec
Operating Temp	-20ºC ~ +70ºC
Operating Vibration	3 grams 3 axis, 5 to 1000Hz
Power	11.5 to 18 VDC (5W Typ, 25W Peak)
MTBF	2 years (300.000 movements)
Weight	2.2kg
Dimensions (mm)	125 (Depth) x 144 (H) x 152 (W)

E-PATROL
Day/Night Vehicle PTZ Camera

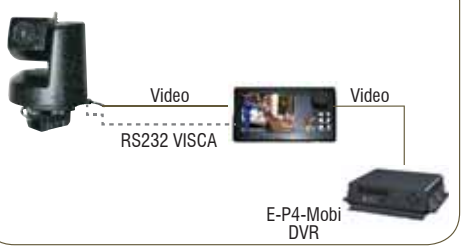
MODEL	E-PATROL
Sensor	Sony FCB-EX780S CCD Camera
Zoom	25x Optical; 12x Digital
Resolution	460 TVL (PAL)
Light Sensitivity	3.0 lux (Colour); 0.02 Lux (NIR filter mode)
Near-Infra-Red Filter	On/Off switchable
Image Stabilisation	Yes
Control Interface	PelcoD
Pan/Tilt Angle	340º/240º
Pan/Tilt Speed	0.5º ~ 80º per sec/0.3 ~ 30º per sec
Operating Temp	-20ºC ~ +70ºC
Operating Vibration	3 grams 3 axis, 5 to 1000Hz
Power	11.5 to 18 VDC (500mA, 2.0APeak)
MTBF	2 years (300.000 movements)
Weight	4.5kg
Dimensions (mm)	180 (Diam) x 200 (H)

E-MINI-PATROL-THERMAL
Thermal imaging PTZ Camera

MODEL	E-MINI-PATROL-THERMAL
Day/Night Camera Sensor	Sony FCB-EX780S CCD Camera
Day/Night Camera Zoom	25x Optical; 12x Digital
Resolution	460 TVL (PAL)
Light Sensitivity	3.0 lux (Colour); 0.02 lux (NIR filter mode)
Near-Infra-Red Filter	On/Off switchable
Image Stabilisation	Yes
Auto Focus	Yes
Thermal Camera Sensor	320 x 240 VOx microbolometer
Field of View	23ºx7 or 14º x 10º
Spectral Range	7.5-13.5μm
Control interface	PelcoD
Pan/Tilt Angle	540º/190º
Pan/Tilt Speed	0.5 ~ 180 per sec/0.3º ~ 45º per sec
Operating Temp	-20º ~ +70ºC
Operating Vibration	3 grams 3 axis, 5 to 1000Hz
Power	11.5 TO 18VDC (5W Tup, 25W Peak)
MTBF	2 years (300,000 movements)
Milspec	MILSTD-810E
Dimensions (mm)	125 (Depth) x 144 (H) x 231 (W)

E-PATROL-KBD
Patrol Camera Keyboard Controller with LCD

Typical Configuration



MODEL	E-PATROL-KBD
Display	5.5" TFT (320 x 240); 250NIT
Housing Material	Aluminium
Power	11.5 - 18VDC (1.3A Vibration; 1 grams 3 axis)
Operating Temp	0ºC ~ +50º
Joystick Temp	Pan/Tilt/Zoom
Electr, Gearing	3 Speed, Push-button
Imaging Mode	Colour/NIR Push-Button
Focus	Auto/Manual Push-button
Zoom	Twist Joystick
Image Stability	Toggle On/Off Push-Button
Connectors	2 x RCA (Video & Audio); HiDEF (Camera)
Weight	2.2kg
Dimensions (mm)	140 x 22 x 30

E-RS008
8Ch RS485 Distribution Amplifier

MODEL	E-RS008
Data Input	RS232
Outputs	8 RS485 outputs
Power	12VDC
Dimensions	19" Rack Mount 1U Enclosure

* 3 Pin screw terminate connector

E-SDM-22X

Mini Day/Night Speed Dome 22x Zoom

Day/Night | 22X Zoom

CAMERA MODEL	E-SDM-22x
Sensor	1/4" Sony SuperHAD CCD
Resolution	480TVL (Colour) 530TVL (B/W)
Min Illumination	0.5 Lux (Colour), 0.05 Lux (B/W or 0.001 Lux (Slow Shutter)
Day/Night Function	Mechanical IR-Cut Filter
Day/Night Mode	Auto, Manual (Fixed Colour or B/W)
S/N Ratio	50dB
Lens	3.9~8mm (x22) (F1.6~F3.7)
Focus	Auto or Manual
Shutter	Normal ~ 1/10,000sec (i.e x2 ~ x60 slow shutter)
Iris	Auto/Maunal
Video Output	1V p~p 75ohm

Specification	PAN/TILT
Panning Angle	360º Continous Rotation
Pan Speed (Manual)	Max 150º/sec
Pan Speed (Btw Presets)	Max 375º/sec
Tilt Angle (Manual)	0~90º (Auto Flip with on/off)
Tilt Speed (Btw Presets)	Max 375º/sec
Presets	60 Positions
Camera Tours	1~4 (with upto 16 presets each)
Patrols	4

Specification	OTHER
Communication Interface	RS485
Communication Protocol (Selectable)	Pelco D/P
Power	12VDC or 24VAC (12W)
Dimensions	154 x 130 (diam x h)
Weight	1.3 Kg

E-SDI-36X-OUT

Vandal Resistant Day/Night 36X Speed Dome Camera

Day/Night | 36X Zoom

MODEL	E-SDI-36X-OUT
Camera Module	1/4" Sony Day/Night CCD Camera Module
Resolution	530 TVL
Lens	36x Optical (3.5~122.4mm)
Aperature	F1.6 (W) ~ F4.5 (T)
S/N Ratio	Greater than 50 dB
Focus	Auto or Manual
Iris	Auto or Manual
BLC	On/Off
Wide Dynamic Range	On/Off
Min. Illumination	1.4 Lux (Colour) 0.1 Lux (B/W)
Day/Night Method	Mechanical IR-Cut Filter
Video Output	1 V p~p 75 ohm
Pan/Tilt Speed (Manual)	0.05~180º/sec
Pan/Tilt Speed (Btw Presets)	400º/sec
Pan/Tilt Speed (On Tour)	20~60º/sec
Pan Angle	360º
Tilt Angle	90º
Communication Interface	RS485 (2400~19200 Bps Supported)
Comms Protocols Supported	Pelco D, Pelco P
Privacy Masks	8
Presets	127
Alarm Inputs	8
Alarm Outputs	4
Operation	24 VAC @ 2.5 A
Weight	2.5 Kg
Fan & Heater	Yes
Operating Temperature	-30º C ~ +60º C
Weatherproof Rating	IP66
Dimensions (mm)	214 (diam) x 260 (height)

E-DCJ

PTZ Speed Dome Camera Control Keyboard with 3-Axis Joystick

MODEL	E-DCJ
Joystick	3-Axis joystick (Pan/Tilt/Zoom)
Telemetry Lines	2x Independent RS485 comms lines (2 x RJ-11)
Telemetry Line Max Distance	1200 Metres
Matrix Line	1 x RS485 (RJ-11)
User Access	3 different password levels
Devices	Up to 999 PTZ drivers / Speed Domes
Supported PTZ Cameras	E-DTRX3, E-PTZ-DRV, E-SDI SERIES
Keyboard Setup	Via 20x4 back-lit display
Power (PSU included)	12 VDC @ 1 A (2.1 mm DC socket)
Dimensions (mm)	298 x 107 x 210

E-KB04

PTZ and DVR Keyboard Controller with 3-Axis Joystick

MODEL	E-KB04
PTZ Controls	Pan/Tilt/Zoom, Focus, Presets, Patrols, Aux Control
RS485	One
RS232 Port	Yes
PTZ Supported Protocols	Samsung, PelcoD, Panasonic, DynaColour
DVR Control	WW/1604/804HB
Baud Rate	1200~19200 Baud
LED Indicators	Yes (For RS485 Data TX and RX)
Display	Alphanumeric Backlit
Joystick	3-Axis
MTBF	80'000 Hours
Weight	1.5Kg
Colour	Black & Brushed-Metal
Operating Temp	0 to 50ºC
Operation	12VDC 5W

E-ULISSE-36X-230VAC-W

IP66 Rugged Day/Night Camera

Day/Night 36X Zoom

Camera Movement

Screenshot - Wide Angle

Screenshot - Telescopic

* Now with WDR

MODEL	E-ULISSE-36X-230VAC-W
Zoom lens	36 x Optical
Lens Focal Length	3.4~122.4mm
CCD	Sony Ex-View
Resolution	530 TVL
Infra-Red Filter	Mechanical
Privacy Mask	Yes (24 positions with 8 blocks)
Horizontal Rotation	Continous 360 º
Vertical Rotation	+90 º, -40 º
Pan Speed	0.1~100 º/sec (variable)
Tilt Speed	0.1~40 º/sec (variable)
Presets	128 Standard or 250 (when Macro Factory Protocol used
Dimensions	724 x 258 x 514mm (H x W x L)
Weight	16Kg
Main Control Port	RS485
Protocols Supported	Pelco-D, Macro & Videotec
Operation Temp.	-20~50 º C
Resistance to Salt Air Fog	According to EN50130-5 and EN60068-2-52
Weatherproof Rating	IP66
Construction	Die-Cast Aluminium & Plastic ABS
Cable Management	Slip-Ring
Power	230VAC (120W Maximum)

ULISSE with IR Illuminators (Optional)

ULISSE Thermal Compatible Unit (Thermal Camera Extra)

E-ULISSE-COMPACT-36X

Mini Day/Night Rugged PTZ Camera

Day/Night 36X Zoom

FEATURES
36x Sony Day/Night Auto Focus 530TVL Day/Night Camera Module
ABS Plastic & Aluminium Construction
High Speed Pan/Tilt with Slip Ring Cable Management
Pelco-D, Macro or Sensormatic RS485 Communication Protocols
250 PTZ Presets
0.1º Degree Accuracy When Calling Presets
Video Masking for Privacy
IP66 Weatherproof & -40º to 60º Operating Temperature
Compact Size: 261 (W) x 349 (H) x 387 (L) mm
230VAC Operation

E-ULISSE ACCESSORIES

E-ULISSE-WT-25
WaterPump
(5m Max Delivery)

E-ULISSE-WTHD-25-230
WaterPump High Delivery Model
(30M Max Delivery)

E-ULISSE-WB
Wall Mount Bracket

E-ULISSE-WB
Parapet Bracket

E-IR SERIES
Infra-Red LED Illuminators

MODEL	E-IR21-25-880
Viewing Angle	25°
Illumination Range (Max)	15 Metres
Wavelength	880 nm
Input Voltage Range	12 VDC
Power Consumption	200 mA
Indoor or Outdoor	Outdoor
Weight	150 g
Dimensions (mm)	75 x 35 x 30

25°, 15 Metre Max Range

2.1mm DC Socket

*** 30°, 40 Metre Max Range***

MODEL	E-IR100-40-850
Viewing Angle	30°
Illumination Range (Max)	40 Metres
Wavelength	850 nm
Input Voltage Range	12 VDC
Power Consumption	1200 mA
Indoor or Outdoor	Outdoor
Weight	900 g
Dimensions (mm)	149 (H) x 99 (V) x 35 (L)

MODEL	E-IR98-60-880C
Viewing Angle	60°
Illumination Range (Max)	25 Metres
Wavelength	880 nm
Input Voltage Range	12 VDC
Power Consumption	1.1A
Indoor or Outdoor	Outdoor
Weight	750 g
Dimensions (mm)	110 x 100 x 55

60°, 25 Metre Max Range

20°, 75 Metre Max Range

MODEL	E-IR294-20-880
Viewing Angle	20°
Illumination Range (Max)	75 Metres
Wavelength	880 nm
Input Voltage Range	12 VDC
Power Consumption	3500 mA
Indoor or Outdoor	Outdoor
Weight	1.5 Kg
Dimensions (mm)	133 x 65 x 205

E-IR300-AI-50
Ultra-Wide Angle IR Illuminator for Speed Dome Applications

TRIPLE IR PANEL

MODEL	E-IR576
Max IR Range (180° angle)	90 Metres
Max IR Range (50C angle)	130 Metres
Optics	Surface Mount LEDs
IR Wavelength	850nM
Power Consumption	120W Max
Power	13.5V (provided by PSU)
PSU Input	100~240VAC
Operating Temp	-50~+50ºC
Cable Length (between Illumination & PSU)	2.5M
Case Colour	Black
Dimensions (Illumination)	420 x 195 x 66mm
Dimensions (PSU)	240 X 160 X 81mm

E-IR-PLATE-SCREW
IR Covert Illuminator

MODEL	E-IR-PLATE-SCREW
IR Range (Max.)	120º
IR Output	140mW
Illumination Range (Max)	2M
IR Wavelength	940mm
Input Voltage Range	12VDC
Power Consumption	220 mA
Weight	50g
Dimensions (mm)	20 x 12 x M10 (screw)

E-IR-PLATE-940
IR Covert Illuminator

940mm Invisible

MODEL	E-IR-PLATE-940
Viewing Angle	160º
Illumination Range	3 metres
Wavelength	940nm
Input Voltage Range	12 VDC
Power Consumption	400 mA
Indoor and Outdoor	Indoor
Weight	100g
Dimensions (mm)	106 (L) x 72 (W) x 6 (H)

E-IR112-120-880
Infra-Red Room Illuminator

MODEL	E-IR112-120-880
IR Range (Max.)	10 Metres
Coverage	64m²
IR Angle	120º
Wavelength	880nm (Slight Red Glow on Illuminator)
Operation Temp	-30ºC ~ +40ºC
Power Consumption	0.8Kg
Dimensions (mm)	180 x 96 x 29

E-IR576
Long Range Infra-Red Illuminator

MODEL	E-IR576
IR Range (Max.)	350 Metres (880 nm model) 250 Metres (940 nm model)
IR Angle	18º
Wavelength	880 nm or 940 nm (model dependant)
Operating Temp	-30ºC ~ +40ºC
Power Consumption	24 VDC @ 3.8 A (880 nm Model) 12VDC @ 7.5 A (940 nm Model)
Weight	6.8Kg
Dimensions (mm)	380 x 320 x 40
Weatherproof Rating	IP66

E-101
1 Channel Video Signal Amplifier

MODEL	E-101
Video Input & Output	BNC (1 x BNC for each)
Video Input Level	0.12-2Vp-p, 75 Ohms
Input Impedance	45 - 175 Ohms
Video Output Level	1Vp-p (Standard), 75 Ohms
Frequency Response	50 Hz - 5 MHz (-3 dB)
Disturbance Reduction	> 70 dB, 50Hz
Gain Adjustment	+6 dBiK+60 dB at 5 MHz
Power Supply	DC12V
Power Consumption	150mA
Dimensions (mm)	138 x 77 x 28
Weight	110g
Input Protection	Surge arrester

*** Includes plug-in PSU**

E-CD102
Miniature 1 in 2 Out Video Distribution Amplifier

MODEL	E-CD102
Dimensions (mm)	72 x 50 x 32
Power	12VDC@100mA

*** Includes plug-in PSU**

E-CD104
Video Distribution Amplifier - 1 In and 4 Out

MODEL	E-CD104
Red LED	Power on/off
Video Input Level	0.8 ~ 1.2 Vp-p, 75 Ohms
Video Output Level	1 Vp-p (standard), 75 Ohms
Video Bandwidth	10 Hz - 10 MHz
Power Supply	12 VDC
Power Consumption	320 mA
Dimensions (mm)	138 (W) x 84 (H) x 30 (D)
Weight	130g

E-CD108
Video Distribution Amplifier -1 In and 8 Out

MODEL	E-CD108
Video I/O	1 x Video-In, 8 x Video Out
Video Input Level	0.8~1.2Vp-p, 75 Ohms
Video Output Level	1Vp-p (Standard), 75 Ohms
Video Bandwidth	10 Hz - 10 MHz
Connectors	BNC
Power Supply	12 vdc
Power Consumption	320 mA
Weight	500g

*** Includes plug-in PSU**

E-CD408
Video Distribution Amplifier - 4 In and 8 Out

MODEL	E-CD408
Video Input	0.8~1.2Vp-p, 75 Ohms
Video Output	1Vp-p (Standard), 75 Ohms
Video Input Channels	Four (BNC)
Video Output Channels	Eight (BNC)
Video Bandwidth	10hz-10MHz
Power Supply	12VDC
Power Consumption	320mA
Dimensions (mm)	150 x 133 x 44
Weight	600g
Material	Metal (Black Color)

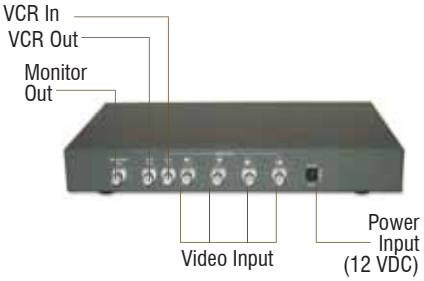
*** Includes plug-in PSU**

E-1664
Video Distribution Amplifier - 16 In and 64 Out

MODEL	E-1664
Video Input Channels	Sixteen (BNC)
Video Output Channels	Sixty-Four (BNC)
Video Input Level	0.8~1.2Vp-p, 75 Ohms
Video Output Level	1Vp-p (Standard), 75 Ohms
Video Bandwidth	20MHz
Power Supply	DC12V~15VDC
Power Consumption	3A
Dimensions (mm)	483 (W) x 88.4 (H) x 90 (D)
Weight	3.5 Kg
Material	Metal (Black Color)

*** Includes plug-in PSU**

E-705
Colour Quad Processor



MODEL	E-705
Colour or Monochrome	Colour
Video Inputs	4 Composite Video Inputs (75 ohm 1 V p-p)
Video Standard	PAL or NTSC
Video Resolution	762 (H) ×576 (V) (PAL)
Display Mode	Full Screen, Quad & Auto Switching

Video Outputs	2 Video Outputs (75 ohm 1 V p-p)
	(1 x Monitor Out, 1 x VCR Out)
On-Screen-Display Menu	OSD
Motion Detection	Software Enabled Via OSD
Operation	12 VDC @ 400 mA
Dimensions (mm)	312 (W) ×200 (D) ×42 (H)

E-VGA2
Basic Composite Video to VGA Converter

MODEL	E-VGA2
Output	VGA (D-Sub)
Max VGA Resolution	(60Hz) 1280 x 1024
Input	Composite Video (PAL/NTSC Auto)
Power	5VDC 500mA (PSU included)
Dimensions (mm)	87 (L) x 64 (W) x 24 (H)

E-TP-VGA-RXPRO
VGA to CAT5 Receiver Unit

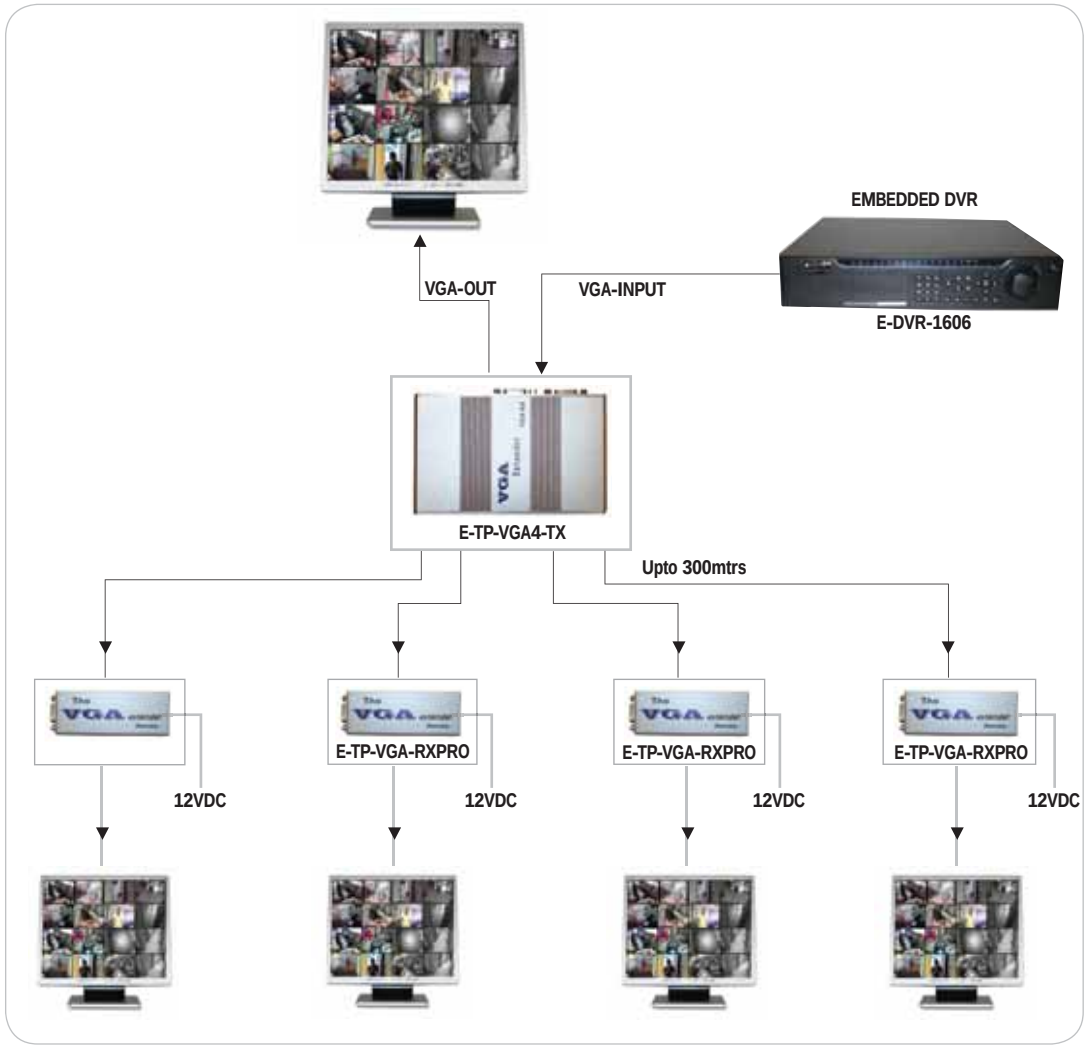
MODEL	E-TP-VGA-RXPRO
Input Signal	CAT5 Twisted Pair (RJ45)
VGA Output	1 x 15pin D-Sub
VGA Resolution Supported	Up to 1280x1024 @ 60Hz
Max Receive Range	Up to 300 Meters
Compatible Transmitter	E-TP-VGA8-TX
Adjustments	Gain @ Equalisation
Power Consumption	12VDC @ 600mA
Dimensions	92X34X22 (LxWxH) mm
Construction	Metal
Weight	140g

E-TP-VGA4-TX
1-In, 4-Out VGA to CAT5 Distribution Unit

MODEL	E-TP-VGA4-TX
Input	1 x VGA (D-Sub)
Output (VGA)	1 X Local, 4 x Remote UTP CAT5 Outputs (RJ45)
Comptaible Cable	UTP CAT5 or CAT6
Comptaible Receiver Unit	E-TP-VGA-RXPRO (Not Included)
Max VGA Resolution	1280x1024 (60Hz)
Maximum Cable Distances	300 Mrts (640x480), 200 Mtrs (800x600), 180Mtrs (1024x768), 100 Mrts (1024x768)
Power	12VDC (600mA)
Dimensions	130 x 84 x 30 mm

E-TP-VGA8-TX
1-In, 8-Out VGA to CAT5 Distribution Unit

MODEL	E-TP-VGA8-TX
Input	1 x VGA (D-Sub)
Output (VGA)	1 X Local, 8 x Remote UTP CAT5 Outputs (RJ45)
Comptaible Cable	UTP CAT5 or CAT6
Comptaible Receiver Unit	E-TP-VGA-RXPRO
Max VGA Resolution	1280x1024 (60Hz)
Maximum Cable Distances	300 Mrts (640x480), 200 Mtrs (800x600), 180Mtrs (1024x768), 100 Mrts (1024x768)
Power	12VDC (600mA)
Dimensions	200 x 84 x 30 mm



E-FW-40X2 SONY

Professional LCD Video/VGA Monitor

Video VGA HDMI Audio

MODEL	E-FW-40X2
Screen Size	40" Si-TFT LCD Panel
Resolution	1366 x 768 (WXGA)
Viewing Angle	17º (horiz/vertical)
Pixel Pitch	0.51 x 0.51
Colours	16.7 Million
Contrast Ratio	1300:1
Brightness	500cd/m2
Audio	14W Stereo Amp
Video Inputs	RGB Component, 2 x HDMI, 1 x Composite Video (BNC), 1 x S-Video
Analog Composite Video Input Standard	NTSC, PAL, SECAM
Video Output	BNC Composite Video or S-Video (Loop-Through)
Power	240W
Dimensions (mm)	996 x 607 x 122
Brand	Sony

E-17W01/E-19W01

17"/19" LCD Monitor

Video VGA

VESA Mount Compatible

MODEL	E-17"W01	E-19"W01
LCD Display Panel	17" TFT LCD	19" TFT LCD
Resolution	500 TVL (1280 x 1024 SXGA mode)	460 TVL (1280 x 1024 SXGA mode)
LCD Display Colour	16.7 M colours	16.7 M colours
Pixel Pitch	0.264 (H) x 0.264 (V) mm	0.297 (H) x 0.294 (V) mm
Viewing Angle	85º / 85º (L/R) 85º / 85º (U/D)	170º (H + V)
Contrast Ratio	500:1	500:1
Brightness	250 cd/m²	250 cd/m²
Back Light	4 CCFLs, 50 000 Hrs Life Span	50 000 Hrs Life Span
Response Time tr/tf	10-15ms	5/10ms
Video Interface	Video NTSC/PAL auto switching (BNC in/out), S-Video (Y/C in/out), VGA (DB15)	Video NTSC/PAL auto switching (BNC in/out), S-Video (Y/C in/out), VGA (DB15)
Audio	Speaker x1 (RCA in/out)	Speaker x1 (RCA in/out)
Power Input	12VDC / 4.0 A	12VDC; 3A
Power Consumption	50W Max	50W Max
Mounting	VESA Standard	VESA Standard
Dimensions (mm)	375 (W) x 370 (H) x 170 (D)	421 x 405 x 170 w/base

E-LM-102

10.2" Video/VGA LCD Monitor

Video VGA

MODEL	E-LM-700C
Display Size	10.2" (16:9)
Display Resolution	640 x 480, 800 x 600 or 1024 x 768
Video Input	2 x PAL/NTSC (Selectable)
VGA Input	1 (on rear frame)
Audio Input	1
Touch Screen	Optional with RS232 or USB Interface
Operating Temp	-5º ~ +65ºC
Operating Voltage	11VDC to 24VDC (12VDC recommended)
Power Consumption	12W
Enclosure	Aluminuim

E-LM-800

8.4" Colour LCD Video and VGA Monitor

Video VGA Audio

MODEL	E-LM-800
Screen Size	8.4" Diagonal
Image Format	800 x 600 (4:3)
Horiz. Resolution	460 TVL
Viewing Angle (Up&Down)	60 Up / 40 Down
Viewing Angle (L&R)	60 Left / 60 Right
Brightness	350 cd/m2
Audio Speakers	Integrated Dual 4,3 cm Speakers
Stereo Audio Socket	3.5mm socket
Menu	On-Screen-Display Menu
Display Settings	Sharpness, Brightness, Saturation Contrast, Ratio, Volume
Video Interface	1 x PAL/NTSC Video Input (3.5mm socket with cable)
VGA Interface	1 x VGA (25-DSUB Female Socket)
Power	12 VDC
Dimensions (mm)	210 x 210 x 36

*** Optional Stainless Steel Bracket Available**

E-LM-700C

7" Wide LCD Video Monitor

Video

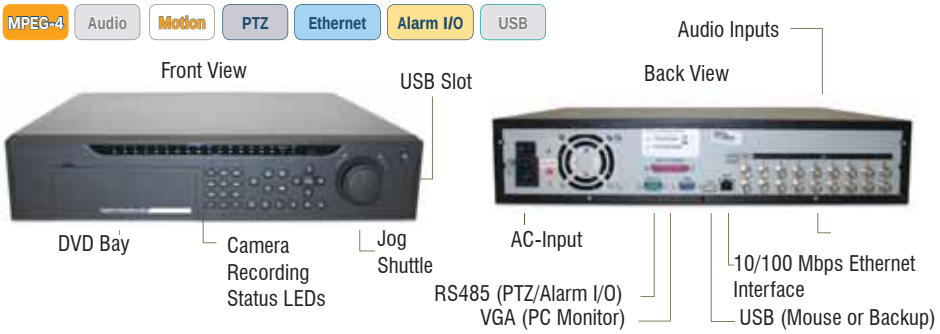
MODEL	E-LM-700C
LCD	7" Wide TFT with CCFL Backlight
Brightness	400cd/2
Contrast Ratio	300:1
Viewing Angle	40/60/60/60
Aspect Ratio	16:9 or 4:3 (Configurable)
Video Signal	PAL or NTSC
Video Input	2ch A/V Input (RCA)
Audio	Mono 30m~100mVp~p
OSD Menu	Yes
Operating Temp	0 to 50ºC
Case	Plastic (Black Colour)
Power	12VDC (9.5W)
Dimensions	180x120x21mm
Weight	350g

E-DVR-1606 / E-DVR-804HB / E-DVR-1625

Hi-Res Real-Time Embedded 8 & 16 ch Video & Audio Recorders

Real Time 25fps Recording on every channel

MPEG-4 | Audio | Motion | PTZ | Ethernet | Alarm I/O | USB



Software Screenshots

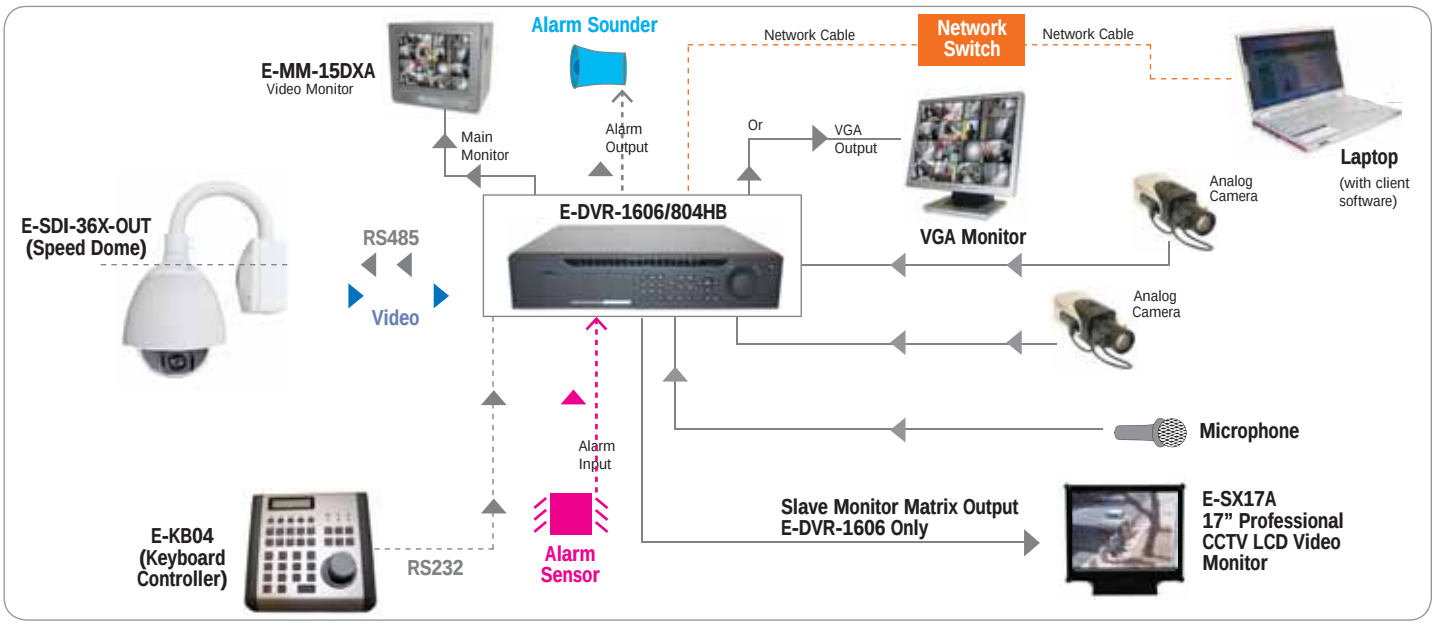
Main Menu

Channel Configuration

System Log

MODEL	E-DVR-804HB	E-DVR-1606	E-DVR-1625
Video Channels	8 x Composite Video Inputs, 75 Ohm 1 Vp~p (BNC)	16 x composite video inputs, 75 Ohm 1Vp~p (BNC)	16 x Composite Video Inputs, 75 Ohm 1 Vp~p(BNC)
Video Standard	NTSC or PAL	NTSC or PAL	NTSC or PAL
Looping Outputs	None	16	16
Video Monitoring Speed	25 fps per channel	25 fps per channel	25 fps per channel
Video Recording Speed	25 fps per channel (D1 - 720 x 576) 200 fps total	25 fps per channel at D1 (704x576)	25 fps per channel at (CIF and 2CIF) or 12.5fps at D1 (720 x 576)
Video Compression	H.264	H.264	H.264
Video Recording Format	704 x 576 (D1), 704 x 289 (2CIF) or 352 x 288(CIF)	704 x 576 (DI), 704 x 288 (2CIF) or 352 x 288 (CIF)	6 levels
Image Quality	6 levels	6 levels	1~ 120min (configurable, default 60min)
Monitor Outputs	1 x video output (BNC) or 1 x PC monitor (VGA)	1 x Video Output (BNC) or 1 x PC monitor (VGA)	1 x video output (BNC) or 1 x PC monitor (VGA)
Audio Output	1 Audio Output	1 x audio inputs (BNC)	1 x Audio Output (BNC)
Audio Compression	PCM	PCM	ADPCM
Audio Channels	4 x Audio Inputs (BNC)	4 X Audio Inputs (BNC)	
OS	Embedded Linux RTOS	Embedded Linux RTOS	Embedded Linux RTOS
Alarm Inputs	8 x Alarms (+5 to +15 VDC)	16 x Alarms (+5 to +15VDC)	16 x Alarms (+5 to15VDC)
Alarm Outputs	6 x RELAYS (30 VDC 1A)	6 x relays (30 VDC 1A)	6 X RELAYS (30 VDC 1A)
HDD Storage	6 x 3.5" HDD, 1 x 5.25" for DVD-RW (SATA)	6 x 3.5" HDD, 1 x 5.25" for DVD-RW (SATA)	1 x RS485 (Various Speed Dome Protocols)
Network	10/100 Mbps Ethernet (RJ45)	10/100 Mbps ethernet (RJ45)	10/100 Mbps Ethernet (EJ45)
PTZ Control	1 x RS485 (Various Speed Dome Protocols)	1 x RS485 (Various Speed Dome Protocols)	1 x RS485
Remote Terminal/Keyboard	1 x RS232	1 x RS232	1 X RS232
Power	115 ~ 230 VAC	115 ~ 230 VAC (40 W)	115 ~ 230 VAC
Power Consumption	100W (TYP)	100W (TYP)	
IR Remote	Yes	Yes	
Rack Mountable	Yes (2U)	Yes (2U)	Yes
Weight	7Kg	7Kg	7Kg
Dimensions (mm)	441 (W) x 460 (L) x 89 (H)	441 (W) x 460 (L) x 89 (H)	441 (W) x 460 (L) x 89 (H)

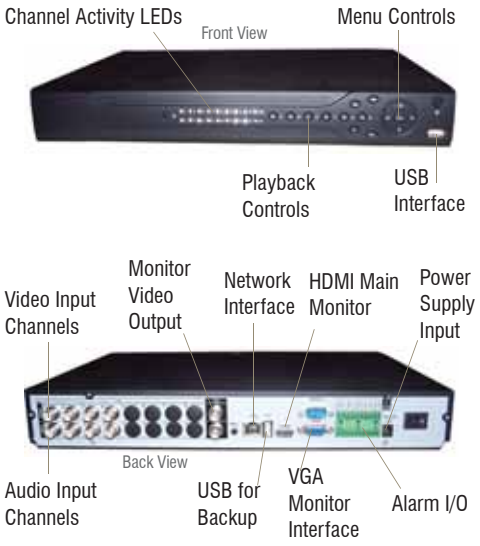
Typical Configuration



E-DVR-404C/ E-DVR-1602

Real-Time Embedded 4Ch & 16Ch Video Recorder

Audio | Motion | Ethernet | Alarm I/O | USB | PTZ | H.264



MODEL	E-DVR-404C	E-DVR-1602
Video Channels	4 x Composite video inputs, 75 ohm 1Vp~p (BNC)	16x Composite video inputs, 75 ohm 1Vp~p (BNC)
Looping Outputs	NO	NO
Video Standard	NTSC or PAL	NTSC or PAL
Video Monitoring Speed	25 fps per channel	25 fps per channel
Video Recording Speed	25 fps per channel (adj.btw 1~25fps)	25 fps per channel (adj.btw 1~25fps)
Video Recording Format (Ch1)	704x576 (4CIF)	704x576 (4CIF)
Video Recording Format (Ch2~Ch4)	352x288 (CIF)	352x288 (CIF)
Video Compression	H.264	H.264
Image Quality	6 levels	6 levels
Recording Clip Length	1~120min (configurable, default 60min)	1~120min (configurable, default 60min)
Pre-Recording	Upto 30 Seconds before an event	Upto 30 Seconds before an event
Monitor Outputs	1 x video output (BNC) or 1 x PC monitor (VGA or HDMI)	1 x video output (BNC) or 1 x PC monitor (VGA or HDMI)
Audio Channels	2 x audio inputs (BNC)	2 x audio inputs (BNC)
OS	Embedded Linux RTOS	Embedded Linux RTOS
Alarm Inputs	4 x alarms (+5 to +15VDC)	4 x alarms (+5 to +15VDC)
Alarm Outputs	3 x relays (30 VDC 1A NO or N/C)	3 x relays (30 VDC 1A NO or N/C)
HDD Storage	1 x 3.5" SATA HDD	1 x 3.5" SATA HDD
Network	10/100 Mbps Ethernet (RJ45)	10/100 Mbps Ethernet (RJ45)
PTZ Control	1 x RS485	1 x RS485
Remote Terminal/Keyboard	1 x RS232	1 x RS232
Power	220VAC 50Hz or 110VAC 60Hz (25W)	220VAC 50Hz or 110VAC 60Hz (25W)
Rack Mountable	Yes (1U)	Yes (1U)
Weight Dimensions (mm)	2.35kg 375 (W) x 285 (L) x 45 (H)	2.35kg 375 (W) x 285 (L) x 45 (H)

E-P4-MOBI

4ch H.264 Embedded Mobile DVR

Audio | Ethernet | Alarm I/O | USB | Motion | PTZ

MODEL	E-P4-MOBI
Video Inputs	4 (BNC)
Outputs	1 x Video (BNC) or 1 x VGA (D-SUB)
Monitoring Speed	25 fps per ch
Recording Speed (Simplex Mode)	25 fps per ch
Recording Speed (Duplex Mode)	12.5 fps per ch
Recording Image Format	352 x 288 / 720 x 288
Recording Resolution	300 Horiz TVL (After Compression)
Video Compression	H.264
Time/Date Overlay	Yes
Audio	1 x Audio Input (BNC) & 1 x Audio Output (RCA)
Alarm Inputs	4 x NC/NO
Alarm Outputs	2 TTL
PTZ Control	Yes
PTZ Functions (Full Screen)	Pan/Tilit/Zoom/AutoPan/Tour/Pattern/Home
Ethernet Interface & Mouse	10/100 Mbps (RJ45)
HDD Storage	2.5" Removable SATA Bay
External Backup	USB Socket
Mouse	USB Socket
Power	8~30VDC or 12VDC (3.5A)
Dimensions unit alone (mm)	300 (L) x 75(H) x 235 (W)

E-DVR-P7

4Ch Embedded Video and Audio DVR with 7" LCD

Audio | Ethernet | Alarm I/O | USB | Motion | PTZ

JPEG 2000

Network Software

MODEL	E-DVR-P7
Video Input	4 X Composite Video (BNC Leads)
Video Output	1 Main Monitor, 1 x Spot Monitor
Video Record Speed (CIF 360X288)	25 fps per channel (1000fps total)
Video Record Speed (2CIF 720X288)	12.5fps per channel (50fps total)
Compression	JPEG2000 (Recording) H.264 (Network Transmission)
Audio	4 x Input, 1 x Output
HDD Type	1 x SATA
USB	1 X Slave (backup), 1 x host (firmware update)
Alarm I/O	4 x IN (NO/NC), 1 X OUT (NO/NC)
LCD	Grade-A 7" 16:9 Wide 200cd/m2 TFT
LCD Resolution	800x480
LCD Colours	262K
DDNS Support	Yes
Weight	2.6KGs
Dimensions (mm)	248 (W) x 186 (D) x 148 (H)
Power	12VDC (5A) Minimum

*** E-DVR-P7 also available**

E-M8DVR

Compact DVR with 60GB HDD & Motion Detection

MPEG-4 | Audio | Motion | SD | USB | HDO

MODEL	E-M8DVR
Video Input	1 x Composite Video (PAL/NTSC selectable)
Video Recording Format	640 x 480
Video Recording Speed	24 fps
Video Resolution (After Compression)	460 TVL
Video Compression	MPEG-4
Storage Type	Internal HDD or SD slot (Up to 4GB SD Supported)
Recording Time (Internal 30GB HDD)	±50 Hours (continuous), ±80 Hours (motion)
Recording Time (1GB SD)	±60 minutes
Motion Detection	Yes (Internal Software)
Audio Input	1 x Audio Input (44100Hz Mono)
Audio/Video Output	Yes
LCD Display	3.5" TFT
LCD Power-Off (Programmable)	Always on/30sec/1min/3min
Time/Date	Yes
Counter	Yes (for evidence purposes)
PC Interface	USB 2.0
Camera Power Output	5 VDC @ 500 mA max
Compatible Cameras	E-HEADCAM, E-SNAKE-CAM & E-TAC-CAM
Battery	3.7 VDC 2A Li-Ion (±120minutes battery life)
External Power/Battery Charger	5 VDC @ 725mA
Weight	52 g
Dimensions (mm)	80 x 52 x 22.3

* Does NOT inlcude E-HEAD-CAM2 (sold seperately)

ACCESSORIES

E-M8DVR
External Battery Charger

E-M8DVR with E-Head-Cam

E-M8DVR 5 Hour
Batt Pack

E-M8DVR mounted onto the
extended battery

20 Hour Extended
Rechargable Pack

E-M8DVR Remote

E-M8DVR Car Charger

E-M8DVR Wireless Receiver

E-M6DVR

Micro Digital Video Recorder with
Motion Detection & Vibration

MPEG-4 | Audio | Motion | SD | USB | Vibration

E-Head-Cam2
(Not Included)

Microphone

MODEL	E-M6DVR
Video Input	1 x Composite Video (PAL/NTSC)
Video Recording Format	640 x 480
Video Recording Speed	24 fps
Video Resolution (After Compression)	460 TVL
Video Compression	MPEG-4
Storage Type	SD slot
Recording Time (Continuous)	±120 mins (2GB SD)
Software Motion Detection	Yes (Internal)
Audio Input	1 x Audio Input
Audio/Video Output	Yes
LCD Display	2.4" TFT LCD
LCD Power Off	Always On/30 Sec/1 Min/3 Min
Time/Date	Yes
Counter	Yes
PC Interface	USB 2.0
Playback	Standard PC Video Player with Codecs
Camera Output	12 VDC @ 250mA or 5VDC @ 500mA
Camera Output Connector	3.5mm 3-Way (12VDC), 2.5mm 3 Way (5VDC)
Battery	3.7VDC 1800mAh Li-ION
External Power (Charge)	5VDC (±120 MINUTES BATTERY LIFE)
Weight	100g
Compatible Cameras	E-HEADCAM2, E-SNAKE-CAM & E-TAC-CAM
Dimensions	95 x 56 x 25mm

E-M9DVR

Micro DVR with Intergrated Covert Camera -
Disguised as a Cellphone

MPEG-4 | Audio | Motion | SD | USB | Vibration

"Spy Mode"

E-Head-Cam2

MODEL	E-M9DVR
LCD Display	2.2" TFT LCD
Intergrated Camera	1/4" Sony 460TVL CCD
Camera Lens	3.7mm
S/N Ratio	52dB (AGC off)
Min Illumination	0.8 Lux (F2.0)
External Camera Input	Yes (PAL or NTSC Composite Video)
External Camera Power	5VDC (250mA)
Compatible Cameras	E-HEAD-CAM2, E-TAC-CAM
Time/Date Overlay	Yes
Counter	Yes
Recording Modes	Schedule, Manual or Motion Activation
Recording Speed	22fps
Resolution	(640x480)
Recording Storage	MicroSD
Type Recording Time	40mins (1GB
PC Interface	USB 2.0
Battery	3.7VDC
Battery Lifetime	90 mins
Dimensions	104 x 48 x 18mm
Weight	72 (without battery)

E-M5DVR

Micro digital Video Recorder with Motion Detection

MPEG-4 | Audio | Motion | SD | USB

SD Card Slot (Storage) LC Display

On/Off Switch DC 5v Out (Camera) Pause and Record

MODEL	E-M5DVR
Video Input	1 x Composite Video (PAL/NTSC selectable)
Video Recording Format	640x480
Video Recording Speed	24fps (depends on amount of motion)
Video Resolution (After Compression)	460 TVL
Video Compression	MPEG-4
Storage Type	SD slot
Recording Time (1GB SD)	Yes±60 minutes
Motion Detection	Yes (Internal Software)
Audio Input	1 x Audio Input
Audio Recording Format	44100Hz Mono
Audio Compression	Microsoft ADPCM Codec
Audio/Video Output	Yes
LCD Display	2.4"TFT
LCD Power-Off (Programmable)	Always on/30sec/1min/3min
Time/Date	Yes
Counter	Yes (for evidence purposes)
PC Interface	USB 2.0 (for upload or charging)
Camera Power Output	5 VDC @ 500 mA max
Battery	3.7 VDC 1A Li-Ion
Battery Life (with external camera output)	±70 minutes
External Power/Battery Charge	5 VDC @ 600mA
Weight	52g
Compatible Cameras	E-HEADCAM2, E-SNAKE-CAM & E-TAC-CAM
Dimensions (mm)	80 x 52 x 22.3

* Does NOT inlcude E-HEAD-CAM2 (sold seperately)

E-M5DVR-Handbag

E-M5DVR-BATTPACK-5
5 Hour Extended Battery Pack for E-M5DVR - Clip On

E-M5DVR with E-HEAD-CAM

24 Hour Extended Rechargable Pack

E-TBOX-1

Tissue Box with Integrated Digital Video Recorder

Microphone
Wide Angle Camera
IR Remote Sensor
Front

A/V Cables

Battery Enclosure
Back

MODEL	E-TBOX-1
Video Compression	MPEG-4
Camera	1/3" 420TVL CCD
Day/Night	Yes (Below 11 Lux)
Lens	2.5mm F2.0
Video Resolution	720x480 or 320x240
Video Quality	Best/Better/Fair
Recording	Manual, Scheule, Motion
Time/Date	Yes
Battery	3.7V 4800mA LiPolmer Battery
SD Card	SDHC upto 16GB
Dimensions	135 x 135 x 128mm

E-M1DVR

Keyring DVR with covert camera

MPEG-4 | Vibration

Front
USB Download
Micro SD Card Slot

Back
Pinhole Camera
Audio Microphone

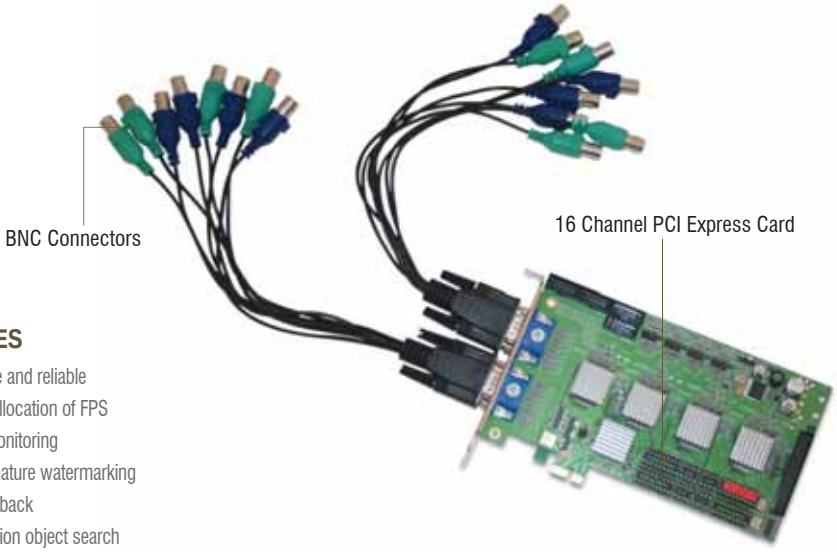
MODEL	E-M1DVR
Camera Sensor	1/4" CMOS
Lens	2.8mm Pinhole
Viewing Angle	70°
Video Size	352x288
Video Compression	H.263
Video Frame Rate	15fps
Time/Date Video Overlay	Yes
Flash Memory	2GB (Internal)
Recording Rate	200MB/hour
Rechargeable Battery	3.7V 550mAh Lithuim-Ion
Operating Battery Life (Video & Audio)	2~2.5 Hours
Battery Stand-By-Time	+/- 10Hours
PC Interface	Min USB 2.0
Weight	35g
Dimensions	70 (l) x 34 (w) x 16mm (Thickness)

Screenshot - Indoors

Screenshot - Outdoors

EAGLE-DVR

EagleDVR Digital Video Recording Cards - 4/8/16Ch Models



(Optional)

4 Channel PCI Card

FEATURES

* Ultra stable and reliable
* Dynamic allocation of FPS
* Remote monitoring
* Digital signature watermarking
* Visual playback
* Smart motion object search
* Free client and multiclient Application
* Secure proprietary recording
* PCI or PCI Express cards available
* Supports multiple cards in a single PC

E-EAGLE-DVR-SMARTP-CLIENT

Optional Smartphone Remote Software

SPECIFICATIONS

MODEL	E-EAGLE-DVR-1/2/4	E-EAGLE-DVR-II-4/8/16
Number of Channels	1, 2 or 4 (model dependent)	4, 8 or 16 (model dependent)
Hardware	25fps PCI Card with BNC connectors	100fps PCIe Card with BNC cable connectors
Max Number of Cards Per PC	4 (Max 16 channels per PC)	2 x 4ch (8ch Realtime) or 2 x 8ch (16Ch half Realtime)
Software	User friendly “Drag & Drop” software	
Image formats	384 x 288, 768 x 288, 768 x 576	
Horiz. Recording Resolution (384 x 288)	250 TVL	
Horiz. Recording Resolution (768 x 288)	320 TVL	
Horiz. Recording Resolution (768 x 576)	520 TVL	
Dynamic Frame Rate Recording	Yes (fps allocated to ‘motion’ cameras)	
Audio Recording	Single Channel Audio Recording via Sound Card Line-in	
Recording Activation	Advanced motion detection with adjustable sensitivity, masks and deactivation delay	
Notification	Email with image for system events (system or camera failure, motion, etc)	
Multi-Camera playback	Yes (Upto 16 Simultaneously)	
Archiving	Automatic backup feature with network support	
Playback Search	Time/date or Enhanced “smart motion search” with thumbnails	
Post Record Picture enhancement	Digital Zoom, Sharpness & Brightness	
Advanced Remote Connectivity via TCP/IP	Playback, Live Monitoring & Configuration of users	
Watermarking	Encrypted Digital Signature	
Audit log	Audit log of user actions and events	

ORDERING INFORMATION

MODEL	DESCRIPTION
E-EAGLE-DVR-1	25 fps 1ch DVR card
E-EAGLE-DVR-2	25 fps 2ch DVR card
E-EAGLE-DVR-4	25 fps 4ch DVR card
E-EAGLE-DVR-II-4	100 fps 4ch DVR card
E-EAGLE-DVR-II-8	100 fps 8ch DVR card
E-EAGLE-DVR-II-16	100 fps 16ch DVR card
E-EAGLE-DVR-SMARTP-CLIENT	EagleDVR SmartPhone Client License

E-OMNICAST

Omnicast IP Video Management & Storage Software

FEATURES

* 4th Generation Product with Ultra Stable Operation
* No single Point of failure in the Software Architecture
* Unilimited Video and Audio Streams
* Proven Operation in South Africa
* Large Variety of 3rd Party CCTV Hardware Supported
* Support for Access Control, Alarms, Bi-Directional Audi and PTZ Cameras
* Federation Concept for Multi-Server Control & Monitoring
* User friendly interface with Clickable MAP Support
* Encrypted Data streams
* Customer-Friendly Licence Structure

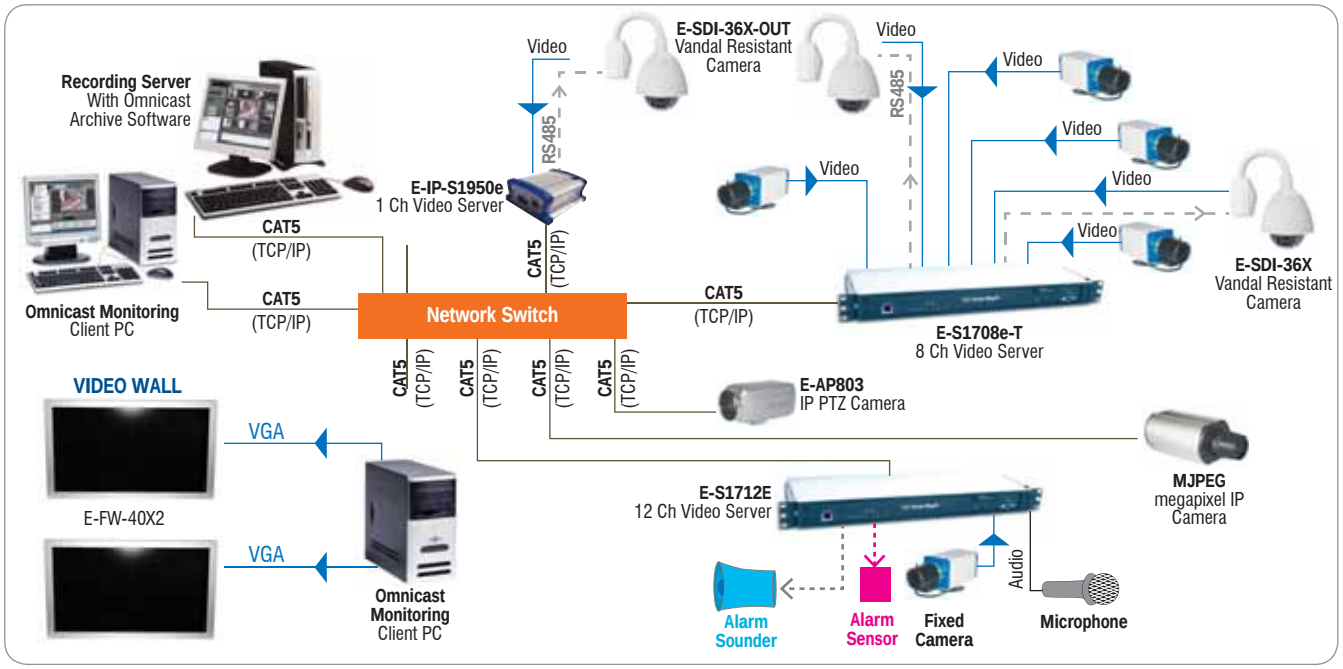
Omnicast is the ideal solution for organizations requiring a unified management of security video, audio and data via IP networks. With the introduction of innovations such as the Virtual Matrix, fully fault-tolerant software and city wide surveillance support, Omnicast has proven to be the solution of choice for enterprise-class level installations. Omnicast is based on a client-server architecture that enables simultaneous viewing, storage and capture of high quality, high resolutions, video, audio and data services.

As opposed to conventional DVR systems, Omnicast does not require coaxial deployment from the cameras to the control rooms. Video and audio are captured right at the camera and transported via the IP network to multiple on- and off-site locations through a secure channel.

Omnicast offers you the freedom of selecting hardware that best suits your needs. Whether you require IP, analogue or other camera types, Omnicast has the capability of managing all these technologies. This flexibility even enables integration with legacy CCTV equipment, meaning you can leverage your previous investments while upgrading to the latest security technologies.

SPECIFICATIONS
VIDEO
Bandwidth managed from 8Kbits/s to 10Mbits/s per camera
Up to 60fps per camera
Resolution from 176 to 120 multi mega-pixel
IP and Analogue camera support
AUDIO
Full duplex IP intercom
Multi audio protocols supported
IP TRANSITION
Video and audio connectivity over 802.11a/b/g or cellular
Remote access via DSL, cable, cellular, ISDN, T1 or T3

Distributed IP Video Typical Diagram



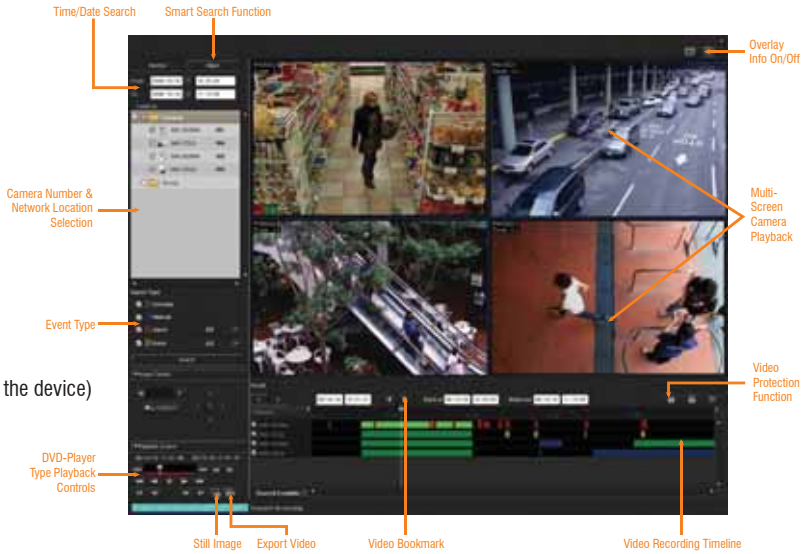
INTRODUCTION

The latest release of Sony's popular RealShot Manager is the RealShot Manager Advanced Package. This IP Network Video Recording software has a hi-tech appearance with a newly designed GUI and amazing set of new features. Designed to work with all current Sony IP Cameras and IP Video Servers, the E -IP-SRMS package is available in 4, 9, 16 & 32 channel versions. It is an advanced network video recording and management tool for customers wanting to create an IP based distributed CCTV system.

FEATURES

* 4/9/16/32 Ch License Versions
* Triplex Operation (Simultaneous Playback, Recording & Monitoring)
* Megapixel Camera Support
* Support for Sony (DEPA) Video Analytics
* Software PTZ Control or Support for Sony PTZ Controller or USB Controller
* Manual, Motion, Schedule or Event Recording
* Smart Motion Search
* License Free Multi-Client Application
* Support for WideScreen Format LCD Monitors
* Programmable Functions for Event Notification (such as email-out or alarm-out on the device)

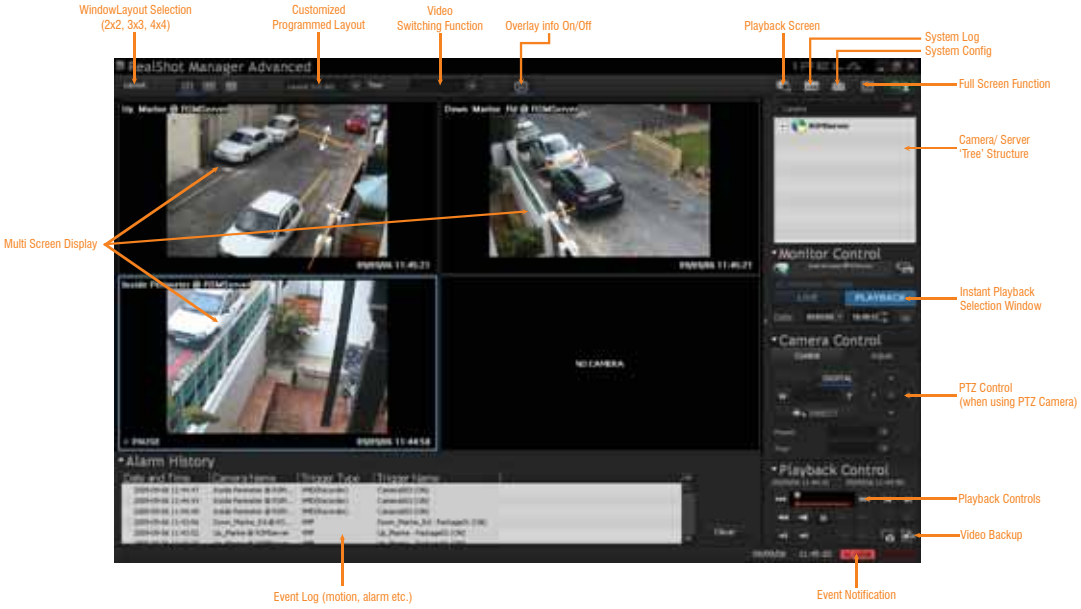
PLAYBACK WINDOW



For existing sites that have analog cameras, Sony offers a range of video to IP converters (encoders) which convert the analogue cctv signal to digital for transmission as part of the IP system. These work hand-in-hand with IP cameras to provide the operator with one combined networked CCTV system regardless of where the equipment is located (bandwidth dependent).

Being a Server/Client based product. The computer which has the server software installed acts as the network video stream recorder and handles the recording of video/ data received from the network devices on the IP network. On the remote site, is a license-free client application which can be installed to view images or playback from the server machine.

LIVE MONITORING SCREEN



ORDERING INFORMATION	
E-IP-SERMS-01	Sony RealShot Manager Software for 1 Camera
E-IP-SERMS-04	Sony RealShot Manager Software for 4 Camera
E-IP-SERMS-09	Sony RealShot Manager Software for 9 Camera
E-IP-SERMS-16	Sony RealShot Manager Software for 16 Camera
E-IP-SERMS-32	Sony RealShot Manager Software for 32 Camera

OPTIONAL USB JOYSTICK

Physical Specifications:
- Joystick Model: HFX 1400 Option 5
- Joystick Travel: 36 (18 from center)
- Centering: Single spring, omnidirectional
- Housing: High impact glass-filled nylon
- Breakout force: 0.109 Nm
- Operational force: 0.151 Nm
- Maximum force: 0.169 Nm
- Operating temperature: -25 C to 70 C
- Life cycles: 3,000,000

Electrical Specifications:
- Supply voltage (USB bus): Vdd = 5V+/-.5V
- Supply current (USB bus): 32mA

Technical Specifications:
- Three-axis, two button Hall Effect joystick
- Desktop housing features 10 programmable buttons
- USB interface

Physical Dimensions:
- W: 6.15" (15.6cm)
- L: 6.65" (16.9cm)
- H: 4.97" (12.6cm)

ORDERING INFORMATION	
E-SNCA-JOYSTICK1	USB Joystick Controller

E-SNC-DS10

Sony Progressive Scan IP Dome Camera

SONY

MODEL	E-SNC-DS10
Sensor	1/3" SuperExwave Progressive-Scan CCD
Min Illumination	Colour = 0.2Lux (F1.3, AGC On)
Lens	Vari-Focal 2.8~10mm (F1.3)
Compression	JPEG, MPEG-4
Image format (JPEG)	768x576, 640x480, 320x240
Image Format (MPEG-4)	640x480, 384x288, 320x240
Max Frame Rate (JPEG. MPEG-4)	25fps at 640x480
Ethernet	100Base-TX (RJ45)
Analogue Video Output	Yes (PAL, BNC 1Vp~p750hm)
Alarm I/O	1 x Alarm-In, 2 x Alarm-Out
External Microphone Input	Yes
Audio Line Output	Yes
Dimensions	140x118mm
Power	24VAC, 12VDC or POE
Power Consumption	7.5W

E-SNC-DS60

Sony Vandal-Resistant Day/Night IP Dome Camera

Vandal Resistant

SONY

MODEL	E-SNC-DS60
Sensor	1/4" ExwavePro Progressive-Scan CCD
Min Illumination	Colour = 0.3 LuxF1.3 AGC On), B/W = 0.05 Lux (F1.3, agc ON)
Lens	Vari-Focal 2.8~10mm (F1.3)
Compression	JPEG, MPEG-4
Image Format (JPEG)	768x576, 640X480, 320X240
Image Format (MPEF-4)	640x480, 384x288, 320x240
Max Frame Rate (JPEG/ MPEG4)	25fps at 640x480
Protocols	TCP, IP, HTTP, ARP, ICMP, FTP, SMTP, DHCP, DNS, NTP, SNMP & RTP/RTCP
Ethernet	100Base-TX (RJ45
Analogue Video Output	Yes (PAL, BNC, 1Vp~p75ohm
Alarm I/O	1 x Alarm-In, 2 x Alarm-Out
External Microphone Input	Yes
Audio Line Output	Yes
Dimensions	166x199mm
Power	24VAC, 12VDC or POE
Power Consumption	15W
Operating Temperature	-30 to +50ºC

E-SNC-DF50P

Sony Wide Dynamic IP Dome Camera

SONY

MODEL	E-SNC-DF50P
Sensor	1/3" DynaView CCD
Resolution	480TVL
Lens	Auto Iris Vari-Focal 2.8~10mm (F1.3)
Compression	JPEG, MPEG-4 or H.264
Image Format	640x480, 320x240, 160x120
Max Frame Rate	(JPEG, MPEG4) 25fps at 640x480
Max Illumination (F1.3)	0.7 lux (Colour, AGC on)
Analogue Video Output	Yes (PAL, BNC 1Vp~p 75ohm)
Alarm I/O	1 x Alarm - In, 2x Alarm - Out
External Microphone Input	Yes (mini-jack)
Audio Line Output	Yes
Dimensions	126x140mm
Power	24VAC, 12VDC or POE
Ethernet	100Base TX (RJ45)
Power Consumption	9W

E-SNC-DM110

Sony Megapixel IP Dome Camera

SONY

MODEL	E-SNC-DM110
Sensor	1/3" ExwavePro Progressive-Scan CCD
Resolution	1.3 Megapixel (1280x960)
Min Illumination	Colour= 0.8 Lux (F1.3, AGC On)
Lens	Auto Iris Vari-Focal 2.8~9.5mm (W1.3~F2.9 T)
Compression	JPEG or MPEG-4
Image Format (JPEG)	1280x960, 960x720, 768x576, 640x480, 320x240
Image Format (MPEG-4)	640x480, 348x288, 320x240
Max Frame Rate (JPEG)	12.5fps at 1280x960 or 640x480 (light-funnel on)
Max Frame Rate (MPEG-4)	12.5fps at 1280x960 or 640X480 (light-funnel off) or 25fps (light funnel on)
Protocols	TCP/IP, HTTP, ARP, ICMP, FTP, SMTP, DHCP, DNS, NTP, SNMP & RTP/RTCP
Ethernet	100Base-TX (RJ45)
Analog Video Output	Yes (PAL, BNC 1Vp~p75ohm)
Alarm I/O	1 x Alarm-In, 2 x Alarm-Out
External Microphone Input	Yes (mini-jack)
Dimensions	140 x 118mm
Power	24VAC, 12VDC or POE
Power Consumption	8W
Dimensions	210x42x202mm

E-SNC-CS20

Sony 1/4" Day/Night IP CS Mount Camera

SONY

MODEL	E-SNC-CS20
Sensor	1/4" ExwavePro Progressive-Scan CCD
Min Illumination	Colour = 0.2 Lux (F1.0, AGC On), B/W = 0.02 Lux (F1.0, AGC On)
Lens	Vari-Focal 3~8mm (F1.0~F1.45)
Compression	JPEG or MPEG-4
Image Format (JPEG)	768X576, 640X480, 384X288, 320X240
Image Format (MPEG-4)	640x480, 384x288, 320x240
Max Frame Rate (JPEG/ MPEG4)	25fps at 640x480 (MPEG-4) or 25fps at 768x576 (JPEG)
Protocols	TCP/IP, HTTP, ARP, ICMP, FTP, SMTP, DHCP, DNS, NTP, SNMP & RTP/RTCP
Ethernet	100Base-TX (RJ45)
Analogue Video Output	Yes (PAL, BNC 1Vp~P75ohm)
Alarm I/O	1 x Alarm-In, 2 x Alarm-Out
External Microphone Input	Yes (mini-jack)
Dimensions	82.5x63x176.2mm
Power	24VAC, 12VDC or POE
Power Consumption	8W

E-SNC-CS50

Sony 1/3" Day/Night CS Mount IP Camera

SONY

MODEL	E-SNC-CS50
Sensor	1/3" SuperExwave CCD
Resolution	540TVL
Min Illumination	Colour = 0.4 Lux (F0.95, AGC On), B/W = 0.04 Lux (F0.95, AGC On)
Lens	JPEG, MPEG-4 or H.264
Image Format	640x480, 320x240, 160x120
Max Frame Rate	(JPEG, MPEG4) 25fps at 640x480
Max Illumination (F1.3)	0.7 lux (Colour, AGC on)
Analogue Video Output	Yes (PAL, BNC 1Vp~p 75ohm)
Alarm I/O	1 x Alarm - In, 2x Alarm - Out
External Microphone Input	Yes (mini-jack)
Audio Line Output	Yes
Dimensions	84x69x196mm (No Cover)
Diemensions	84x69x265 (With Cover)
Power	24VAC, 12VDC or POE
Power Consumption	9W

E-SNC-CM120

Sony Megapixel CS Mount IP Camera

SONY

MODEL	E-SNC-CM120
Sensor	1/3" ExwavePro Progressive-Scan CCD
Resolution	1.3 Megapixel (1280x960)
Min Illumination	Colour = 0.7 lux (F1.3, AGC On) or 0.01 lux (F1.3 in Light Funnel Mode)
Lens	Auto Iris Vari-Focal 2.8~6mm (F1.3~F1.9)
Compression	JPEG or MPEG-4
Image Format (JPEG)	1280x960, 960x720, 768x576, 640x480, 320x240
Image Format (MPEG-4)	640x480, 384x288, 320x240
Max Frame Rate (JPEG)	12.5fps at 1280x960 or 640x480 (light-funnel on)
Max Frame Rate (MPEG-4)	12.5fps at 640x480 (light-funnel off) or 25fps (light funnel on)
Analogue Video Outpu	Yes (PAL, BNC 1Vp~p75ohm)
Alarm I/O	1 x Alarm-In, 2 x Alarm-Out
External Microphone Input	Yes (mini-jack)
Dimensions	82.5x64x187.5mm
Power	24VAC, 12VDC or POE
Power Consumption	8W

E-SNC-RZ25P

Sony Indoor IP PTZ Camera with 18x Zoom

SONY

MODEL	E-SNC-RZ25P
Sensor	1/4" SuperExwave CCD
Resolution	460TVL
Lens	18x Optical Zoom (4.1~73.8mmm)
Auto Focus	Yes
Aperature	F14 (Wide) ~ F3.0 (Tele)
Max Frame Rate (JPEG)	25fps @ 320x240 or 18fps @ 640x480
Max Frame Rate (MPEG-4)	25fps @ 320x240 or 15fps at 640x480
Min Illumination (F1.6)	0.7 Lux (Colour with AGC on)
Pan Angle	170º to +17º = 340º total
Tilt Angle	-90º to +30º = 120º total
Audio Compression	G.711 (64kb/s) & G.726 (40/32/24/16kb/s)
Ethernet	10/100Base-Tx (RJ45)
RS232	Yes (VISCA Protocol Control)
Analog Video Output	Yes (PAL, BNC 1Vp~p75ohm)
Alarm I/O	2 x Alarm-In, 2 x Alarm-Out
External Microphone Input	Yes (mini-jack)
Audio Line Output	Yes
Dimensions	140x206x148mm
Power	24VAC or 12VDC (17W)

E-SNC-RX570P

Sony Day/Night Speed Dome PTZ Camera with 36x Optical Zoom

SONY

MODEL	E-SNC-RX570P
Sensor	1/4" SuperExwave CCD
Resolution	530TVL
Lens	36x Optical Zoom (3.4~122.4mm)
Auto Focus	Yes
Aperature	F1.6 (Wide) ~ F4.5 (Tele)
Min Object /distance	320mm (wide), 1500 (Tele)
Horiz Viewing Angle	1.7~57.8º
Compression	JPEG, MPEG-4 or H.264
Image Format	640x480, 320x240, 160x120
Max Frame Rate (JPEG/ MPEG4)	25fps at 640x480
Max Frame Rate (H.264)	8fps at 640x480
Min Illumination (F1.6)	1.4 Lux (Colour), 0.15 Lux (B/W)
Audio Compression	G.711/G.726 (40/32/34/16kb/s)
Card Slot	1 x PC-Card (TypeII), 1 x Memory-Stick
Analogue Video Output	Yes (PAL, BNC 1Vp~p750hm)
Alarm I/O	2 x Alarm-In, 2 x Alarm-Out
External Microphone Input	Yes (mini-jack)
Dimensions	160x160x230mm
Power	24VAC or 12VDC
Power Consumption	25W

E-SNTV704

Sony 4Ch IP Video Server

SONY

MODEL	E-SNTV704
Video Inputs	4 x BNC 1Vp!p 75ohm (PAL or NTSC)
Looping Outputs	Yes
Audio Input	1 x Microphone Input (3.5mm)
Line Input	Yes (3.5mm)
Line Output	Yes (3.5mm)
Compression	MPEG-4 JPEG (selectable)
Image Format	1.7~57.8º
Compression	JPEG, MPEG-4 or H.264
Image Format	720x5, 640x480 or 320x40
Frame Rate (Max)	640x480 (25fps) Per Channel
Max Clients Connected	50
Ethernet	100Base-TX (RJ45)
Alarm In	4 x (3.3~24V)
Alarm Output	4 x(24VDC, 1A Mech Relay)
Serial Interface	RS232/RS422/RS485
USB Port	USB 2.0 (for external storage)
Weight	1.2Kg
Dimensions	210x42x202mm
Power	12VDC 18w

E-S2610e

Ultra-Wide Dynamic IP CS Camera

MODEL	E-S1950e
Video Input	1x Composite Video (NTSC/PAL Selectable)
Connector	BNC female
Compression	MPEG-4 SP
Resolution Scalable from 176x144 to 704x576 pixels (PAL)	
Frame Rate	1-25 FPS Programmable (full motion)
Ethernet Interface	10/100Base-T (RJ-45 jack)
Bandwidth Configurable	30 kbps to 6 mbps
Protocols	RTP/IP, UDP/IP, TCP/IP, or multicast IP, DNS, NTP, HTTP, FTP & DHCP client
Alarm Input	1 dry contact
Alarm Output	1 optically isolated relay contact (48V AC/DC at 100 mA max.)
Audio Input (Optional)	-46 to -3 dBV into 30 kOhm (line or microphone input)
Audio Output	-46 to -3 dBV into 16 ohms 1/8 in. (3.5 mm) stereo jacks
Serial Port	RS422/485 2 or 4 wire Configurable
Serial Operating Mode	Transparent supporting any Asynchro-nous Transfer
Security	SSL-based authentication
Power	12V DC ±10% (3.7W)
Dimensions (mm)	106 (L) x 90 (W) x 42 (H)

E-S1950e

1 Ch High-End IP Video Server

MPEG-4 RS485 Audio Alarms

MODEL	E-S1950e
Video Input	1x Composite Video (NTSC/PAL Selectable)
Connector	BNC female
Compression	MPEG-4 SP
Resolution Scalable from 176x144 to 704x576 pixels (PAL)	
Frame Rate	1-25 FPS Programmable (full motion)
Ethernet Interface	10/100Base-T (RJ-45 jack)
Bandwidth Configurable	30 kbps to 6 mbps
Protocols	RTP/IP, UDP/IP, TCP/IP, or multicast IP, DNS, NTP, HTTP, FTP & DHCP client
Alarm Input	1 dry contact
Alarm Output	1 optically isolated relay contact (48V AC/DC at 100 mA max.)
Audio Input (Optional)	-46 to -3 dBV into 30 kOhm (line or microphone input)
Audio Output	-46 to -3 dBV into 16 ohms 1/8 in. (3.5 mm) stereo jacks
Serial Port	RS422/485 2 or 4 wire Configurable
Serial Operating Mode	Transparent supporting any Asynchro-nous Transfer
Security	SSL-based authentication
Power	12V DC ±10% (3.7W)
Dimensions (mm)	106 (L) x 90 (W) x 42 (H)

E-S1708e-T

8 Ch High-End IP Video Server

MPEG-4 RS485

MODEL	E-S1708e-T
Ethernet Interface	10/100Base-T (RJ-45 jack)
Supported Protocols	RTP/IP, UDP/IP, TCP/IP, or multicast IP, DNS, NTP, HTTP, FTP, and DHCP client
Security	SSL-based authentication
Video Inputs	8 x Composite Video (1 Vpp 75 ohms - NTSC/PAL Selectable
Codecs	Dual Stream 4CIF, 30 FPS and CIF, 15 FPS Programmable
Connectors	BNC female connectors
Compression	MPEG-4 SP
Resolution Scalable from 352 x 288 to 704 x 576 PAL pixels	
Frame Rate	8 x 1-25 FPS (PAL) programmable (full motion)
Bandwidth each stream configurable 30 kbps to 6 mbps	
Serial Ports 1 x RS-232 (max. 230 kbps), 1 x RS-422/485 2/4 wires (max. 230 kbps)	
Serial Operating Mode	Transparent Supporting Asynchronous Serial protocol
Alarm Input	12 dry contacts
Alarm Output	2 relay contacts (48V AC/DC at 100 mA max.)
Connectors	One set of 3.5 mm input and output stereo jacks
Power	12V DC ± 10% (20W)
Enclosure	Metal case with flange mount (black colour)
Dimension (mm)	431.8(L) x 154.9(W) x 43.2(H)

E-S4300-BR

Wireless IP Video Bridge (Receiver)

POE Audio

MODEL	E-S4300-BR
Frequency	5.250-5.350 (5.3GHz); 5.470 ~ 5.725 (5.4GHz) 5.725-5.825 (5.8GHz)
Data Rate	6/9/12/18/24/36/48/54 Mbps Co-location of 3 channels within the same site
Data Rate	11 Mbps, 5.5 Mbps, 2 Mbps, 1 Mbps
Security	152-bit RC4 or AES encryption
Modulation	OFDM
Ethernet Interface	10/100Base-T (Waterproof RJ-45)
Weatherproof Rating	IP66
Antenna Connector	SMA Fem a/e
Power	48VDC (Power Over Ethernet), Repeater units are 24VAC
Power Consumption	250mA (48VDC)
Weight	0.90 Kg
Dimensions (mm)	250 (L) x140 (W) x 105 (H)

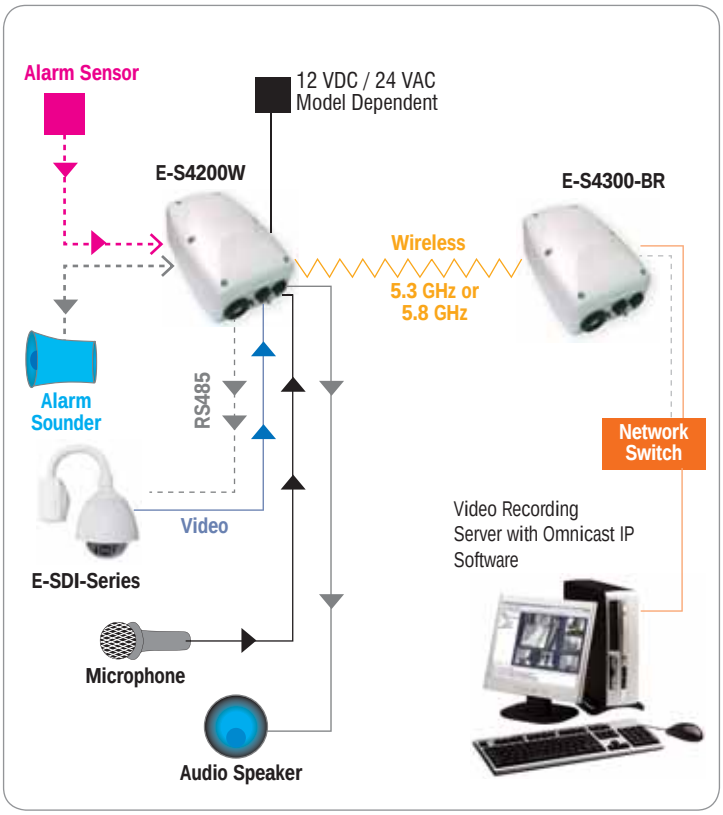
E-S4200W

2.4GHz or 5GHz Wireless IP Video Server (Transmitter)

MPEG-4 POE Audio

MODEL	E-S4200W
Video Input	1 x Composite Video (1 Vpp 75 ohms - NTSC/PAL Selectable
Data Rate	6/9/12/18/24/36/48/54 Mbps
Channels	11 (2.4GHz), 4 (5.3Ghz), 11 (5.4Ghz) 5(5.8GHz)
Security	128-bit (AES) Encryption with auto key rotation, WPA2, WEP
Audio	Bidirectional audio interface with micro-phone & speaker connections
Alarm I/O	2 x Alarm Inputs (1mA max), 1 x Relay Output (upto 48VDC @ 100mA)
Antenna Connector	SMA Fem a/e
Power	12VDC or 24VAC optional models @ 6W (12VDC @ 1A)
Compatible Wireless Bridge	E-S4300
Weight	2.1 Kg
Power Consumption	12VDC Model - 1.6A
Power Consumption	24VAC Model - 25VA
Operating Temp	-30 to +50°C

Configuration #1



Configuration #2

SOL4TX

100mW COFDM Transmitter

MODEL	SOL4TX
Channels	1 Video, 2 Audio, 1 Data
Bandwidth	8/7/6MHz DVB-T, 2.5MHz, 1.25MHz
Frequencies	UHF1, UHF2, L-S and C-band
Multipath	Up to 400 carriers
Video	PAL/NTSC, 352/480/528/704 TVL
Encoding	MPEG2 or MPEG4
Audio	8/12 Bits at 8/16/32 kHz
Latency	43ms to 120ms dependent on mode
Data Input	1k2 to 115k2 baud
Environment	-20 to +70ºC
Operating Temp	-20ºC to 50ºC
Weight	20 g
Dimensions (mm)	59 x 28 x 9

SOLMTX

100mW COFDM Micro Transmitter

MODEL	SOLMTX
Channels	1 Composite or 1 SDI Video, 2 Audio,1 Data
Bandwidth	8/7/6MHz DVB-T, 2.5MHz, 1.25MHz
Frequencies	UHF1, UHF2, L-S-and C-band
Multipath	Up to 400 Carriers
Video	PAL/NTSC, 352/480/528/704 TVL
Encoding	MPEG2 or MPEG4
Audio	8/12 Bits at 8/16/32 kHz
Latency	43ms to 500ms dependent on mode
Data Input	1k2 to 115k2 baud
Environment	-15 to +60ºC
Supply	5.9V to 16V Reverse Polarity Protected
Power	4.1W for 100mW; 3.7W for 50mW

SOL4RX

100mW COFDM Dual Diversity Receiver

MODEL	SOL4RX
Diversity	Dual/quad maximum ratio conbining
OSD	Spectrum, Rx, SNR, Rx Power
Channels	1 Video, 2 Audio, 1 Data
Bandwidth	8/7/6MHz DVB-T, 2.5MHz, 1.25MHz
Frequencies	UHF1, UHF2, L-S-and C-band
Video	PAL/NTSC, 352/480/528/704 TVL
Encoding	MPEG2 or MPEG4
Audio	8/12 Bits at 8/16/32kHz
Data Output	1k2 to 115k2 baud
Environment	-10 to +50º

SOLAMP1W

Amplifiers - 1W (5W) RF

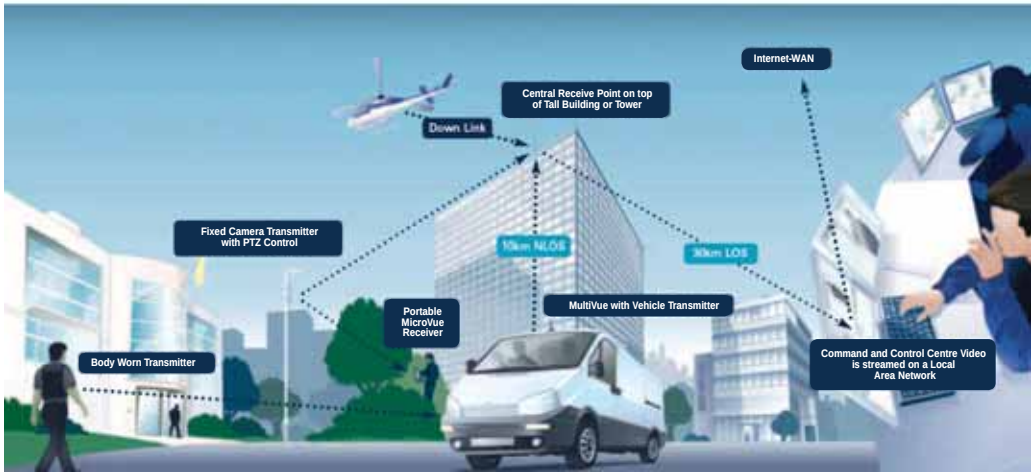
MODEL	SOLAMP1W
Frequencies	L-or s-band; other on request
RF Power In	L-band 100mW; S-band 100mW (10mW)
RF Power Out	1W (5W)
Gain	10W (17dB L-band; 27dB S-band)
Environment	-20 to +70ºC

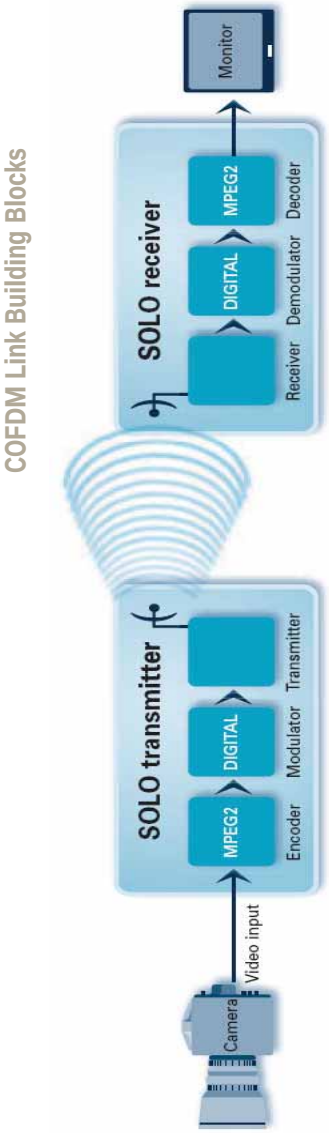
TELRX/TELTX Data Transmission

Telrx Teltx

MODEL	TELRX
Channels	1 Data, (1 Audio)
Bandwidths	25 (75k) to 125kHz
Frequencies	UHF1, UHF2
Multipath	99 Carriers
Audio	24/32 Bits at 8kHz
Data	1k2 to 115k2 baud/1463kb/s
Environment	-20 to +70ºC

Typical COFDM application


Internet-WAN
Central Receive Point on top of Tall Building or Tower
Down Link
Fixed Camera Transmitter with PTZ Control
10km NLOS
30km LOS
Portable MicroVue Receiver
MultiVue with Vehicle Transmitter
Body Worn Transmitter
Command and Control Centre Video is streamed on a Local Area Network



E-TPT-111VT

1 Channel Twisted Pair CAT5 Transceiver Unit

Back

Front

MODEL	E-TPT-111VT
Video Input	1 x BNC (1V P~P 75 ohm)
Twisted Pair Output	1 x Screw Terminal
Transmission Range (If used in a transceiver config)	300 Metres
Transmission Range (If used in a transceiver config)	1000 Metres
Compatible Receivers	E-TPAR-414, E-TPAR-111, E-TPRA-414VH, E-TPR-616
Power	Passive - No Power Required
Dimensions (mm)	67 x 25 x 22

*** Can be used as a TX or RX**

E-TPT-414

4 Channel Twisted Pair Video Transceiver

RJ45 Connector (CAT5/CAT6) connection

BNC (Video Inputs)

E-TPT-414 Transmitter

FEATURES	
Video Input	4 x BNC (1 V p-p 75 ohm)
Twisted Pair Output	1 x RJ45 Socket
Transmission Range	200m if 2nd E-TPT-414 used or 1000m if E-TPAR-414 used
Power	Passive - No Power Needed
Dimensions (mm)	138 x 66 x 28

E-TPAR-414

4 Channel Twisted Pair Active Video Receiver

Twisted Pair Connections (CAT5/6 UTP)

BNC (Video Outputs)

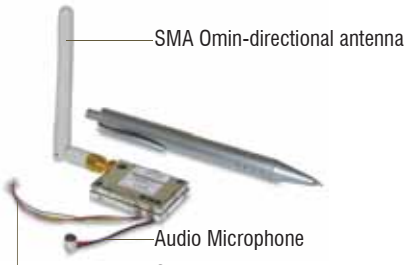
12VDC

E-TPAR-414 Active Receiver

FEATURES	
Video Output	4 x BNC (1 V p-p 75 ohm)
Twisted Pair	1 x RJ45 Socket
Adjustments Input	Adjustable Gain & Contrast (balanced)
Distance Adjustment	5 position dip-switch
Transmission Range	1000 Metres (Colour) 1500 Metres (B/W)
Power	12 VDC @ 300 mA
Dimensions (mm)	138 x 66 x 28

E-240100

Compact Video/Audio Transmitter - 300m Range



MODEL	E-240100
Frequency	2.4 GHz (2413, 2432, 2451, 2470 MHz)
Channels	4 (Switch Selectable)
Output Power	100mW
Transmission	‡ 60m (indoors) ‡100m (outdoors, line-of-sight with omni antennas) ‡ 300m (outdoors, lin-of-sight with patch antennas)
Video Input	1Vp-p 75 ohms (RCA)
Audio Input	2Vp-p, Max (RCA)
Voltage & Current	12VDC; 75mA
Microphone	Pre-amplified Mini Condenser
Weight	20g
Dimensions (mm)	41 x 30 x 8.5
Antennas	SMA Female Connector

E-RX2410

Compact Video/Audio Receiver

MODEL	E-RX2410
Frequency	2.4 GHz (2413, 2432, 2470 MHz)
Video Output	1 Vp~p 75ohm
Audio Output	2 Vp~p
Voltage & Current	12VDC; 350mA
Operating Temp	-10ºC ~ +40ºC
Weight	63g
Dimensions (mm)	115 (L) x 80 (W) x 20 (H)

E-TXRX

IP65 Enclosure for Transmitters or Receivers

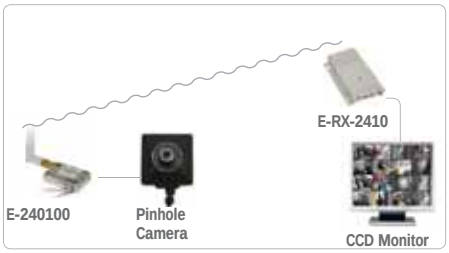
FEATURES

- IP65 Enclosure
- 2 Cable Garments
- Stainless Steel internal mounting brackets
- Includes pole mount brackets
- Patch antenna optional

E-PATCH-14

14dbi 2.46Hz Patch Antenna

MODEL	E-PATCH-14
Gain@	2.4GHz
Input Frequency	2300 to 2400MHz
Azimuth beam width	43º
Elevation beam width	43º
Polarization	Vertical or Horizontal
Weight	375g (excl. bracket)
Dimensions (mm)	200 (W) x 200 (H) x 15 (D)



E-VLM1
Hand-held Video Level Meter

MODEL	E-VLM-1
Input Range	Sync (90mV~1.05V Peak)
Input Impedence	High Z/75ohm
Power	9 VDC Battery
Dimensions (mm)	118 x 60 x 29

E-FM1
Hand-held Camera Focus Indicator

MODEL	E-FM1
Input	1 V p-p (75 ohm) Video or high impedance (BNC female)
Display	LED Bar Graph
Power	9 VDC (PP3)
Power Consumption	30 mA
Weight	125 g
Dimensions (mm)	118 x 60 x 29

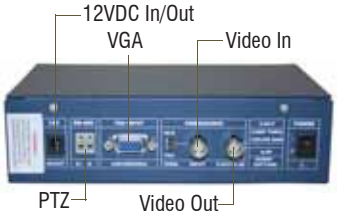
E-TCG1
Hand-held Test Pattern Generator

MODEL	E-TCG1
Output	1 V p~p 75 ohm Composite Video
Line Frequency	15.625 Hz
Field Frequency	50 Hz Interlaced
Frequency	4.43381875 MHz
Colour System	PAL
Pattern Generated	1. Colour Bars 2. Red Raster 3. Peak White Raster 4. Composite Test Band
Battery	9 VDC Alkaline Battery (PP3)
Power Consumption	50 mA
Weight	96 g (Battery Excluded)
Dimensions (mm)	105 x 60 x 20

E-CCTV-TEST-25
CCTV Test Monitor with 2.5" LCD Monitor

MODEL	E-CCTV-TEST-25
LCD Video Display	2.5 TFT Colour LCD (960X240 Pixels)
Video Input	PAL or NTSC, 1Vp-p 75Ohm (BNC)
Video Output	1Vp-p 75Ohm (Test Signal with 4 x Patterns)
Data Protocol	Pelco D/P, Samsung, Panosonic, Molynx, Lilin, Kalatel, AD, Vicon
Data	RS485
On-Screem Display	Yes
External Power	9"12 VDC
Battery Power	2x Rechargable 3.6V 1400mAh Lithium Cells (removable)
Battery Life	Approx 5 Hours
Operating Temp	-30 to 70ºC
Weight	750g
Dimensions	170 x 99 x 48mm

E-CCTV-TEST-56
Advanced CCTV Test Monitor



MODEL	E-CCTV-TEST-56
Video Monitor	5.6" Colour TFT (960x234)
Video Input	Composite Video 1V p~p (NTSC or PAL)
Video Termination	On/Off Selectable
VGA Connection	VGA input (640x480)
Video Level Meter	Yes (On-Screen Overlay)
Pattern Generator	Yes (On Video Output)
Video Connections	Video (BNC), VGA (D-SUB 15)
RS485 Interface	1 for PTZ Camera Control (Screw Terminal)
Battery	Integrated Li-On 2200mAh Rechargeable Battery
Battery Life	4 Hours (max)
External Power	12VDC
Weight	1kg
Dimensions	185 (W) x 120 (H) x 50 (D) mm

E-LSM-713
7" LCD Test Monitor

MODEL	E-LSM-713
Display Size	7"
Resolution	1440 x 234
Brightness	500 cd/m²
Display Mode	4:3 or 6:9
Video Input	2x (1V p-p 75 Ohm)
Video Output (RCA)	1x (1V p-p 75 Ohm)
Audio Input	1x (1V p-p 10K Ohm)
Operating Temperature	-30 ~ 85ºC
Dimensions (with case)	200 x 150 x 65mm
Power Supply	9~13 VDC(6.2 Watt) 520mA

E-LX536
Advanced Hand-Held Light (Lux) Meter

MODEL	E-LX536
LED Display	Yes
Measuring Range	20 / 200 / 2000 / 20000 Lux/Fc
Resolution	0.01 lux
Accuracy	±(3% rdg+5dgts)
Sensor	Silicon Photo Diode
Sensor lead length	150 cm (approx)
Datalogger Records	16000 Data Points
Time Date Clock	Yes
Memory Backup	Via a backup battery
Power	9 VDC Battery operation
Battery lifetime	± 50 Hours
Weight	300 g
Dimensions (mm)	146 x 70 x 39 (Main instrument); 100 x 60 x 27 (Sensor probe)

E-TONETEST
Cable Tracer Probe Kit

MODEL	E-TONETEST
Adjustable Volume & Speaker (Probe)	
Crocodile-Clips (Generator)	
Power	9 VDC Battery

E-GB001
Video Ground Loop Isolator

MODEL	E-GB001
Passive Operation	No power required
Prevents Video	No signal distortion caused by video ground loops
Insertion Loss	0.5dB
Frequency Response	0.3dB at 10Mhz
Insulation Resistance	100M Ohm
Transiet Voltage Suppressors	12Vrms
Dimensions (mm)	84x21with 15cmx2 cable

E-COAXDC-PROTECT
BNC Video & DC Power Surge Protection Device

MODEL	E-COAXDC-PROTECT
Video In	Composite Video 1Vp-p
Max Input Voltage	15VDC
Transient Current Positions	10KA
Connectors	2x BNC x Female
Connectors (DC)	2x Screw Terminals
Dimensions	71 (H) x 40 (H) x 25 (W)

E-P5B-SA
5 Way Surge Protection Multi-Plug

MODEL	E-P5B-SA
Nominal Input Voltage	230V
Nominal Frequency	50/60Hz
Max Line Current Per Phase	13A
Cord Length	1.83mtrs
Maximum Input Current	16A
Surge Protection Energy Rating	960 Joules
ep Joule Rating	1060
Peak Current Normal Mode	13Kamps
Dimensions (mm)	451 (H) x 83 (W) x 45 (D)

E-PNET1GB
Standalone Surge Protector for 10/100/1000 Base-T Ethernet lines

Features
Suitable for 10/100/1000 Base-T Networks
Compatible with POE devices
Gnd Cable
6.50kAmps Peak Current (Normal Mode)
RJ45 Ethernet Interface
Dimensions : 104 (H) x 47 (W) x 28 (D)

E-PTZ-PROTECT
Surge Protector for Co-Ax Video, Data & 24VAC Power

MODEL	E-PTZ-PROTECT
Video Input	BNC (Female) x 2 (In & Out)
Data	RS485
Power	24VAC (1A Max) Screw Terminals

E-LOCKBOX
Vandal Resistant DVR Enclosure

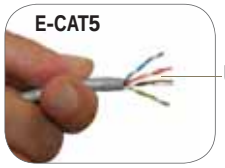
MODEL	E-LOCKBOX
Usable Internal Space (mm)	680 (d) x 530 (h) x 260 (w)
Approx. Weight	30 Kg
Outer Dimensions	695 (d) x 550 (h) x 290 (w)

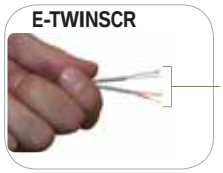
E-LOCKBOX3
Vandal Resistant Embedded DVR Enclosure

MODEL	E-LOCKBOX3
Colour	Cream
Internal Dimensions	580 (w) x 450 (d) x 160 (h)m
External Dimensions	625 (w) x 525 (d) x 190 (h)m

CABLES
For Video

E-POWER-AX-MIL





CONNECTORS & ADAPTORS

E-BMBF

E-BNCLP

E-BNCLS

E-DC21LP

E-RCA-SKT

E-RCA-PLY

E-RB

E-BB

E-RMBF

E-DC21LS

E-RJ45C

E-DC21-ST

E-BNC414
(BNC 4-Way Patch Cable)

E-BNCLP-RG179

E-BNCLP-RG59FD

E-RACK-DIN
(5u Rack for DIN Rail Modules)

POWER SUPPLIES

E-PW408U
12 VDC; 4 A (8 way)

E-PW816S-12R
12 VDC; 8 A (16 way)

E-PR81612R
12 VDC; 8 A (16 way) Rack Mount

E-DR-4512
12 VDC 3.5A Din-Rail PSU

E-DR-60-24
24 VDC 2.5A Din-Rail PSU

E-DR-100-24
24 VDC 4.5A Din-Rail PSU

E-DR-ST315
Din-Rail Transformer
(2.36A @ 24 AC)

E-SD-158-12
18-36VDC to 12VDC
Converter

E-RPS-SM-12V1000
12 VDC; 1A

E-RPS12V2000
12 VDC; 2 A

E-RPS12V3000
12 VDC; 3 A

E-RPS12V5000
12 VDC; 5 A

E-C3214
Co-Ax Tool Kit

APPLICATIONS	
Kit Includes	1 x Coax Crimping Tool, Coax Stripper & Cable Cutter
Compatible Cable	RG59 / RG58 / RG62 / RG6 / Power-Ax
Dimensions (mm)	260 (L) x 200 (W) x 48 (H) mm

E-RJ-KIT
RJ / CAT5

MODEL	E-RJ-KIT
Kit Includes	1 x RJ Crimping Tool, Cable Stripping Tool, Cable Tester, 60pcs RJ Connectors
Compatible Connectors	RJ11/RJ12/RJ45
Compatible Cable	UTP (CAT5 / CAT6)
Dimensions	297 (L) x 197 (W) x 48 (H) mm

E-SIGN1
ABS CCTV Warning Sign - 210 x 297mm

E-SIGN2
ABS CCTV Warning Sign - 210 x 297mm

E-SIGN4
Stainless Steel CCTV Warning Sign - 140mm x 90mm

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